

Human/Machine Interfaces

Magelis™ Industrial PC and Display

Catalog

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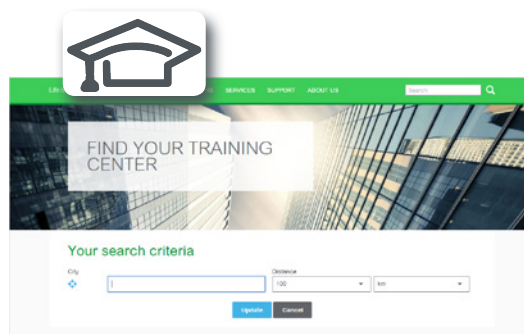
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Magelis™ Industrial PCs

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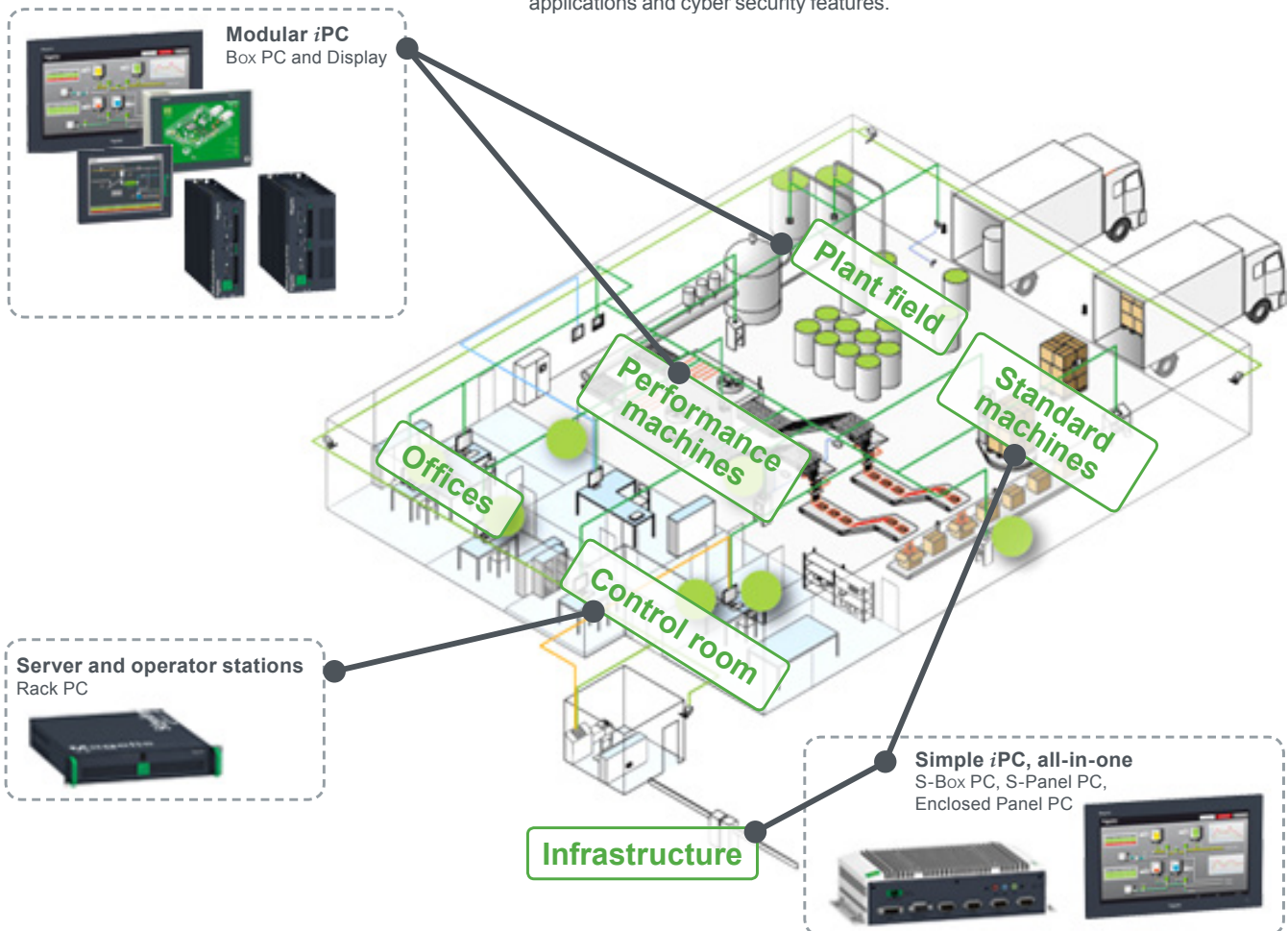
Magelis Industrial PCs

S-Panel PC and S-Box PC, Modular Box PC and Display, Rack PC and iDisplay monitors

As a global specialist in industrial automation, Schneider Electric offers integrated solutions across multiple markets. Magelis iPC provides solutions to applications that need to run on Windows operating systems in industrial environments:

- Magelis S-Panel PC and S-Box PC for standard machines and infrastructures
- Magelis Modular Box PC and Display for industrial plants and performance machines
- Magelis Rack PC for 19" enclosures in control rooms and labs
- Magelis iDisplay as industrial remote monitors for Magelis iPC or third-party PCs

Magelis iPCs run on Microsoft operating systems for seamless integration into IT structures. They support Schneider EcoStruxure software Internet for complete tested and validated solutions, including Node-RED for Industrial Internet of Things applications and cyber security features.



Magelis Panel PC and Box PC

Smartphone and tablet-like navigation

Magelis S-Panel PC and Display feature wide multi-touch screens that help to navigate the automation application like a smartphone.

- Wide multi-touch screens with IP66, 7H hardness, and anti-scratch front panels
- Tap, scroll, pinch and drag with 5-point multi-touch gestures
- Fluid, natural, and intuitive interface powered by Windows operating system

Industrial grade for various environments

Magelis Panel/Box PCs are industrial grade products with maintenance-free models (no fan, static storage), high-availability options (RAID HDD, battery backup), and integrated system monitoring. Their resistance to temperature, vibration, and shock allows them to continuously operate in difficult environments.

In addition, Magelis iPCs offer worldwide long-term availability, ease of substitution for new models, and an extended repair service period.

+ Simplify your machine interfaces with intuitive industrial PCs

Certified for use in the most demanding automation systems, including industrial control equipment, hazardous locations, and marine applications.

Magelis Panel PC and Box PC (continued)

Certified for automation systems

Depending on the model, Magelis Panel/Box PCs and Displays are certified with:

- cULus (UL 508 or UL 61010, CSA 22.2 No. 142), Industrial Control Equipment
- cULus Haz Loc Class I Div 2 (ANSI/ISA 12.12.01, UL 1604, CSA 22.2 No. 213)
- ATEX II 3 Gas and Dust Zone 2/22 in explosive atmospheres, IECEx ATEX
- Marine (Bridge class), RCM, EAC, CCC, FCC, C-Tick

Improved customer productivity and cyber security

- High-performance Intel CPU up to Core i7 4th generation and 16 GB DDR3 RAM
- Ready-to-run Schneider Electric and third-party software
- Link to IT systems with dual Gigabit Ethernet ports
- Ready for cloud connections with IIoT Node-RED and cyber security features

Magelis S-Panel and Enclosed Panel PCs

Simple Optimized/Performance S-Panel PCs

- Simple and compact all-in-one hardware, fanless Intel CPUs
- HDD/SSD storage drive slots and mini PCIe slots for optional interfaces
- Configurations on request and front panel customization for application needs



Magelis HMIPSO S-Panel PC (Optimized)

- Intel Atom E3827 dual-core, fanless, 4 GB DDR3 RAM
- Expansion kit allowing 1 SATA HDD/SSD slot and 1 mini PCIe slot
- W10" and W15" multi-touch projected capacitive technology screens



Magelis HMIPSP S-Panel PC (Performance)

- Intel i3-4010U dual-core, fanless, 8 GB DDR3 RAM
- 1 Mini PCIe full slot and 1 optional interface slot
- W15" and W19" HD multi-touch projected capacitive technology screens

Simple and Enclosed Magelis Panel PCs are all-in-one Panel PCs:

- > Optimized HMIPSO
- > Slim Performance HMIPSP; only 57 mm/2.24 in. depth with Core i3 CPU and 8 GB DDR3 RAM
- > Easy to integrate (enclosed IP65 on 6 faces) HMIPEP

Enclosed Performance Panel PCs

- Completely enclosed PCs with IP65 protection on 6 faces and M12 connectors
- Ready to be directly installed on a VESA arm, without any additional enclosure



Magelis HMIPEP Enclosed Panel PC (Performance)

- Intel i3-4010U dual-core, fanless, 8 GB DDR3 RAM
- 1 Mini PCIe full slot, M12 connectors
- W19" multi-touch projected capacitive technology screen

Magelis iDisplay

Magelis iDisplay and Display Adapter

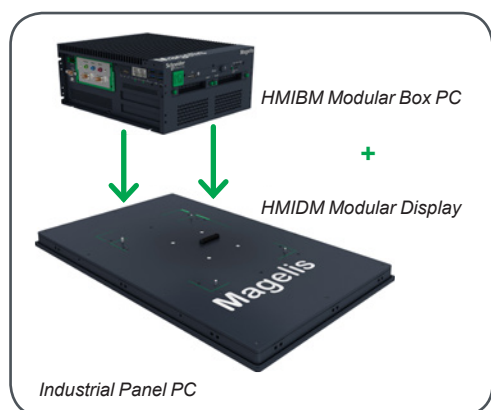
Magelis iDisplay are robust monitors with an excellent screen size/dimensions ratio and can be used in conjunction with industrial PCs. They have the same cut-out dimensions as Magelis Panel PCs and Magelis HMI operator panels, which makes it easy to upgrade installations.



Magelis HMDID iDisplay

- 12" and 15" size color TFT LCDs
- 1 USB on front panel, 1 DVI-D video, 1 USB, 1 RS-232C
- IP67/66 and Nema 4X front screen
- Industrial certifications (Hazardous Location and Marine)
- Optional Display adapter to connect remotely via cables up to 5 m/16.40 ft

1



Magelis modular industrial PCs

Magelis Modular Box PC

Magelis HMIBM Modular Box PCs cater to the most demanding field applications that runs on a Windows OS platform. They make the complete Panel PC when mounted with Magelis HMIDM Modular Displays. Depending on the model, they are conformal coated, and certified for cULus Industrial Control, Hazardous Location and Marine. They also can run Trusted Platform Module (TPM) for cyber secured hardware encryption.



Magelis HMIBMU Modular Box PC (Universal)

- 2 Gigabit Ethernet, 1 RS-232/422/485, 4 USBs, 2 display ports, 3 antenna connectors
- Intel Celeron 2980U dual-core, fanless
- 2 full-size mini PCIe expansion slots and 2 optional PCI/PCIe card slots
- 1 CFast card slot, 2 SSD/HDD hot-swappable slots and optional battery backup



Magelis HMIBMP Modular Box PC (Performance)

- 2 Gigabit Ethernet, 1 RS-232/422/485, 4 USBs, 2 display ports, 3 antenna connectors
- Intel Core i7-4650U, fanless
- 2 full-size mini PCIe expansion slots and 2 optional PCI/PCIe card slots
- 1 CFast card slot, 2 SSD/HDD hot-swappable slots and optional battery backup

Magelis Modular Display and Display Adapter

Magelis HMIDM Modular Display monitors are the companion of Magelis HMIBM Modular Box PCs and can be directly mounted on to the Box PC or remotely via cables. In addition to multiple variations with reduced inventories, modularity also facilitates maintenance. The Box PC or the Display can be easily replaced without changing the complete Panel PC unit. The 4:3/16:9 15" displays have advanced automation certifications, including cULus Industrial Control, Hazardous Location, and Marine.



Magelis HMIDM Modular Display

- 4:3 15" single-touch resistive with front USB
- 16:9 15"/19"/22" multi-touch projected capacitive technology, 7H hardness, anti-scratch
- IP66, Nema 4X indoor front panel
- Optional Display adapter to connect remotely via cables up to 5 m/16.4 ft

Magelis S-Box PC is just enough for applications in repetitive machines and infrastructures requiring the Windows operating system.

Magelis S-Box PC

All-in-one simple design

- Easy selection and quick ordering with only 2 versions (Optimized and Universal)
- Wall mounting with small footprint and downsized enclosure
- Simple installation with maintenance-free non-rotating parts



Magelis HMIBSO S-Box PC (Optimized)

- Intel ATOM N270, fanless, 2 GB RAM
- 1 half-size mini PCI Express® slot
- 1 Gigabit Ethernet, 2 RS-232, 4 RS-232/422/485, 2 USB
- 8 GB Compact Flash card, Compact Flash slot, and internal SATA slot for HDD/SSD



Magelis HMIBSU S-Box PC (Universal)

- Intel ATOM N2600, fanless, 2 GB RAM
- 1 full-size mini PCI Express slot
- 3 Gigabit Ethernet, 2 RS-232, 5 USB
- 8 GB Compact Flash card, additional internal SATA slot for HDD or SSD

+ Magelis S-Box PC for simplicity

Magelis Rack PC is a complete range that meets the various needs of PlantStruxure architecture, from dedicated applications and operator stations to large Engineering and SCADA servers.

Magelis Rack PC

One-stop shopping and easy installation

Magelis HMIR Rack PCs offer one-stop shopping for a complete plant solution that has been tested and validated by Schneider Electric, along with PlantStruxure software Citect SCADA and PES Engineering. Magelis HMIRs can be easily installed in Actassi 19" enclosures and connected to Magelis iDisplay monitors.



Magelis HMIR Rack PC 2U (Optimized) (1)

- Intel Core G540 or G850, 2 GB RAM
- 2 PCI Express (x8) + 1 PCI
- 2 Gigabit Ethernet, 2 RS-232 (+ 4 optional), 6 USB, 1 VGA, 1 DVI
- 1 internal SATA3 slot and 2 external SATA2 trays, 1 DVD-RW drive



Magelis HMIRSU Rack PC 2U (Universal) (1)

- Intel Core i3-2120, 4 GB RAM
- 2 PCI Express (x16) + 1 PCI
- 2 Gigabit Ethernet, 2 RS-232 (+ 4 optional), 6 USB, 1 VGA, 1 DVI, and 1 display port



Magelis HMIRSP Rack PC 4U (Performance) (1)

- Intel Xeon E3-1225, 4 to 16 GB RAM
- 4 PCI Express (x16) + 3 PCI
- 2 Gigabit Ethernet, 2 RS-232 (+ 4 optional), 6 USB, 1 VGA, 1 DVI
- Dedicated models to run PES Engineering and Server operating systems

Hot-swappable trays and low-noise fans

All Magelis Rack PCs have hot-swappable front trays for easy replacement of storage devices. They can also be used for redundant RAID HDDs configured with internal Intel software. The low noise in control rooms due to embedded fan speed control is a boon to operators.

Ready-to-run Software, IIoT, and Cyber security

EcoStruxure software bundles

According to model, Magelis iPCs support the following Schneider software bundles:

- HMI and Lite SCADA: Vijeo Designer, Vijeo XD and Vijeo XL Run Time
- SCADA: Citect SCADA recommended with SSD drives for endurance
- PLC programming: Unity and SoMachine for field maintenance
- Engineering software: Unity, PES and SoMachine

Cyber secured cloud connection with IIoT Node-Red

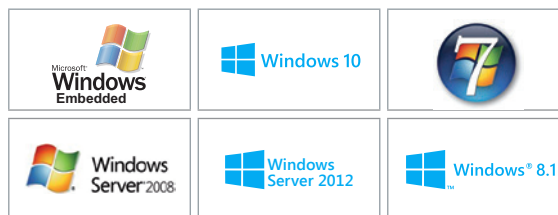
Magelis iPCs run on Microsoft operating systems and can be upgraded with IIoT monitor:

- Large data storage, wide choice of PC peripherals, Client/server architectures with Magelis Rack PC and open to any user software on Windows OS
- Ease of connections to databases and cloud application with IIoT Node-Red
- Cyber secure with IIoT monitor PaaS architecture (Platform as a Service), hardware TPM encryption (Trusted Platform Module), McAfee whitelisting, Vijeo Connect secured remote access, ...



Magelis iPCs support Schneider EcoStruxure™ software for complete tested and validated solutions.

Magelis iPCs with IIoT monitor provides seamless cyber secure wiring for cloud applications to implement automation systems compliant with ISA/IEC-62443 standards.



(1) Rack 2U or 4U is a unit used to measure the height of a device to be mounted in a 19" rack enclosure. 1 unit = 44.45 mm/1.75 in. high.

+ Magelis Rack PC with hot-swap RAID and redundant power supply

Industrial PCs
Magelis™ iPCs for automation
Magelis HMIP Panel PCs

Type of Magelis iPC		Magelis HMIPS S-Panel PC	
		HMIPSO Optimized	HMIPSP Performance
			
Fanless		★★★★★	
Mounting type		Panel PC	
Display	Touch screen	W10" and W15" multi-touch projected capacitive technology screen	
	Definition	W10": HD WSVGA, 1280 × 800 pixels W15": HD WFXGA, 1366 × 768 pixels	W15" and W19" multi-touch projected capacitive technology screen HD WFXGA, 1366 × 768 pixels
	Front protection	IP66 front panel, NEMA 4X indoor, and 7H hardness anti-scratch	
CPU	Processor	Intel® Atom E3827 dual-core (1.75 GHz)	Intel Core™ i3-4010U dual-core 4 th generation (1.7 GHz)
	Expansion slots	1 optional full-size mini PCIe slot with optional interface slot (1)	1 full-size mini PCIe slot with optional interface slot
	Storage	CFast card ≥ 32 GB, or SSD flash disk ≥ 80 GB with 1.5 million hours MTBF (1), or HDD hard disk ≥ 500 GB Enterprise 24/7 (1)	
	RAM	4 GB (not extendable)	8 GB (not extendable)
	Hot-swap RAID HDD and battery backup	–	
Operating system		None, or WES 7 Premium SP1 (64-bit), or Windows® 7 Ultimate SP1 (64-bit Multi-language) (2), or Windows 8.1 Industry (64-bit Multi-language) (2), or Windows 10 IoT Enterprise (64-bit Multi-language)	
Supply voltage		24 V $\pm$ 20%. AC power supply with external AC/DC power adapter HMIYPSOMAC1.	24 V $\pm$ 20%. AC power supply with external AC/DC power adapter HMIYSPMAC1.
Standards and certifications		CE, cULus (UL IT 60950, CSA IT 60950), RCM, EAC, CCC, FCC (part 15 EMC Class A)	
Software		Vijeo XD RT Demo (3), Vijeo XL Run Time (4), Citect SCADA DVD (5), Vijeo Connect (6)	
References		HMIPSO●552D1●01 HMIPSO●752D1●01	HMIPSP●752D1●01 HMIPSP●952D1●01
Pages		2/2 and 2/3	2/4 to 2/7
Configured-To-Order		See configured Magelis S-Panel PC on page 2/23	

(1) With HMIYPADPSOSTO1 expansion kit for HMIPSO allowing 1 HDD/SSD slot and 1 mini PCIe slot.
(2) Windows 8.1 requires user activation.
(3) To be installed and activated by unlimited license HMIRTMZLSPMZZ.
(4) With Configured-To-Order Magelis S-Panel PC.

Magelis HMIPEP Enclosed Panel PC		Magelis HMIP Panel PC 12"	
HMIPEP Performance		HMIPU Universal	HMIPP Performance
			
★★★★★		★★★★★	★★★★★
Enclosed PC		Panel PC	
W19" multi-touch projected capacitive technology screen		12" single-touch resistive	
HD WFXGA, 1366 × 768 pixels		XGA, 1024 × 768 pixels	
IP66 on all 6 faces, NEMA 4X indoor, and 7H hardness anti-scratch		IP65 and Nema 4X indoor front panel protection when mounted on panel or enclosure door	
Intel Core i3-4010U dual-core 4 th generation (1.7 GHz)		Intel Core 827E (1.4 GHz)	Intel Core i3-3217UE dual-core (1.6 GHz)
1 full-size mini PCIe slot		2 optional PCI/PCIe slots with expansion module HMI/PCI●61	
SSD flash disk ≥ 80 GB with 1.5 million hours MTBF		CFast card ≥ 4 GB (SLC technology) or SSD flash disk ≥ 60 GB with 2 million hours MTBF	HDD hard disk ≥ 500 GB Enterprise 24/7 CFast card ≥ 4 GB (SLC technology) or SSD flash disk ≥ 60 GB with 2 million hours MTBF
8 GB (not extendable)		2 GB (user extendable)	4 GB (user extendable)
–		Optional battery backup	Optional hot-swap RAID HDD and battery backup
None, or WES 7 Premium SP1 (64-bit), or Windows 7 Ultimate SP1 (64-bit Multi-language) (2), or Windows 8.1 Industry (64-bit Multi-language) (2), or Windows 10 IoT Enterprise (64-bit Multi-language)		Windows Embedded Standard 2009 or Windows 7 Ultimate 64-bit Professional	Windows® 7 Ultimate (64-bit Multi-language)
24 V $\pm$ 20%. AC power supply with external AC/DC power adapter HMIYSPMAC1.		24 V $\pm$ or 100...240 V $\sim$	
CE, cULus (UL IT 60950, CSA IT 60950), RCM, EAC, CCC, FCC (part 15 EMC Class A)		CE, cULus (UL 508, CSA 22.2 No.142), cULus Haz Loc Class I Div 2 (ANSI/ISA 12.12.01, UL 1604, CSA 22.2 No. 213), C-Tick, GOST	
Vijeo XD RT Demo (3), Vijeo XL Run Time (4), Citect SCADA DVD (5), Vijeo Connect (6)		Vijeo Designer RT Demo (21-day trial version) (7), Vijeo XD RT Demo (3)	
HMIPEP●952D1●01		HMIPUC6●●●●● HMIPUF6●●●●●	HMIPUH6●●●●● HMIPPF6●●●●● HMIPPH6●●●●●
2/8 and 2/9		2/24	2/25
See configured Magelis S-Panel PC on page 2/23		See configured Magelis Panel PC on page 2/29	

(5) Citect SCADA DVD is only for installation. Software activation license has to be ordered separately.
(6) To be installed and activated with subscription.
(7) Unlimited license, to be ordered separately (VJDSNRTMPC).



Industrial PCs
Magelis iPCs for automation
Magelis HMIBM Modular Box PC and
HMIDM Modular Display

Type of Magelis iPC		Magelis HMIBM Modular Box PC	
		HMIBMU Universal	
			
Fanless		★★★★★ (1)	
Mounting	Box PC	HMIBM Box wall/book mounting	
	Panel PC	HMIBM Box + associated HMIDM Display	
CPU (1)	Processor	Intel Celeron® 2980U dual-core (1.6 GHz)	
	Expansion slots	2 full-size mini PCIe with 2 optional interface slots, PCI/PCIe (none or 2)	
	Storage	None, or CFast card ≥ 16 GB, or SSD flash disk ≥ 80 GB with 1.5 million hours MTBF, or HDD hard disk ≥ 500 GB Enterprise 24/7	None or Configured-To-Order offer
	RAM	4 GB (not extendable)	8 GB (not extendable)
	Hot-swap RAID HDD and battery backup	Optional	
Operating system		None, or WES 7 Premium SP1 (64-bit), or Windows 7 Ultimate SP1 (64-bit Multi-language) (2), or Windows 8.1 Industry (64-bit Multi-language) (2), or Windows 10 IoT Enterprise (64-bit Multi-language)	None or Configured-To-Order offer
Conformal coating		–	Yes
Supply voltage		18...36 V $\overline{\text{---}}$ or 100...240 V $\sim$ with modular power adapter HMIYMMAC1	
Standards and certifications		CE, RCM, EAC, CCC, cULus Industrial Control (UL 61010, CSA 22.2 No.142), cULus Hazardous locations (ANSI/ISA 12.12.01 and CSA C22.2 No. 213, Class I, Division 2), CE ATEX and IECEx Hazardous Locations 3GD Zone 2/22	
Software, IIoT and Cyber security		Vijeo XD RT Demo (3), Vijeo XL Run Time (4), Citect SCADA DVD (5), IIoT Monitor with Node-Red and McAfee Whitelisting (6), Vijeo Connect (7), Cyber security (8)	None or Configured-To-Order offer
References		HMIBMU•I29D••01	HMIBMU0I29D•00A
Pages		3/2 and 3/3	
Configured-To-Order		See configured Magelis Modular Box PC on page 3/22	
Modular displays for Panel PC mounting		Magelis HMIDM Modular Display	

 			
Display	Touch screen	4:3 15" single-touch resistive	
	Definition	XGA, 1024 × 768 pixels	
	Front protection	IP66, NEMA 4X indoor, and 7H hardness anti-scratch	
	Front USB port	1 USB 2.0 port	None
Standards and certifications		CE, Marine DNV, RCM, EAC, CCC, cULus Industrial Control (UL 61010, CSA 22.2 No.142), cULus HazLoc (ANSI/ISA 12.12.01 and CSA C22.2 No. 213, Class I, Division 2), CE ATEX and IECEx HazLoc 3GD Zone 2/22, FCC (part 15 EMC Class A)	
Mounting	Panel PC	HMIBM Box + Associated HMIDM Display	
	Panel monitor	HMIDAD Adapter + Associated HMIDM Display	
References		HMIDM7421	HMIDM7521
Pages		3/14	

(1) HMIYBFT4BM11 fan kit is required only when PCI/PCIe expansions cards above 3 W are installed.
(2) Windows 8.1 requires user activation.
(3) To be installed and activated by unlimited license HMIRTM CZLSPMZZ.
(4) With Configured-To-Order Magelis Modular Box PC.

Magelis HMIBM Modular Box PC	
HMIBMP Performance	
	
★★★★★ (1)	
HMIBM Box wall/book mounting	
HMIBM Box + associated HMIDM Display	
Intel Core i7-4650U (1.7 GHz low power with turbo boost at 3.3 Ghz)	
2 full-size mini PCIe with 2 optional interface slots, PCI/PCIe (none or 2)	
None, or SSD flash disk ≥ 80 GB with 1.5 million hours MTBF, or HDD hard disk ≥ 500 GB Enterprise 24/7	None or Configured-To-Order offer
8 GB (not extendable)	16 GB (not extendable)
Optional	
None, or WES 7 Premium SP1 (64-bit) (2), or Windows 7 Ultimate SP1 (64-bit Multi-language) (2), or Windows 8.1 Industry (64-bit Multi-language) (2), or Windows 10 IoT Enterprise (64-bit Multi-language)	None or Configured-To-Order offer
–	Yes
18...36 V $\overline{\text{---}}$ or 100...240 V $\sim$ with modular power adapter HMIYMMAC1	
CE, RCM, EAC, CCC, cULus Industrial Control (UL 61010, CSA 22.2 No.142), cULus Hazardous Locations (ANSI/ISA 12.12.01 and CSA C22.2 No. 213, Class I, Division 2), CE ATEX and IECEx Hazardous Locations 3GD Zone 2/22, Marine DNV (without HDD)	
Vijeo XD RT Demo (3), Vijeo XL Run Time (4), Citect SCADA (5), IIoT Monitor with Node-Red and McAfee Whitelisting (6), Vijeo Connect (7), Cyber security (8)	None or Configured-To-Order offer, IIoT Monitor with Node-Red and McAfee Whitelisting (6), Vijeo Connect (7), Cyber security (8)
HMIBMP•I74D••01	HMIBMP0I74D•00A
3/4 and 3/5	
See configured Magelis Modular Box on page 3/22	
Magelis HMIDM Modular Display	
Magelis HMIDAD Display Adapter	

					
W19" multi-touch capacitive		W22" multi-touch capacitive		According to Magelis HMIDM Display mounted on front	
WHD FWXGA, 1366 × 768 pixels		Full HD, 1920 × 1080 pixels			
IP66, NEMA 4X indoor, and 7H hardness anti-scratch					
None				1 USB 2.0 (Type B), 1 display port	
CE, CCC, EAC, RCM, cULus (UL IT 60950, CSA IT 60950), FCC (part 15 EMC Class A)				CE, cULus HazLoc, ATEX, CCC	
Panel PC: HMIBM Box + Associated HMIDM Display				–	
Panel monitor: HMIDAD Adapter + Associated HMIDM Display				Panel monitor: Magelis HMIDM Display mounted on front	
HMIDM9521		HMIDMA521		HMIDADP11	
3/15				3/19	

(5) Citect SCADA DVD is only for installation. Software activation license has to be ordered separately.
(6) McAfee whitelisting in IIoT monitor requires license sticker HMIYYMACWLIOT1 to be applied.
(7) To be installed and activated with subscription.
(8) Cyber Security TPM optional module HMIYMINATPM201 for hardware encryption with Windows bit-locker.

Industrial PCs
Magelis iPCs for automation
Magelis HMIBS S-Box, HMIR Rack PCs and HMIDID iDisplay

Type of Magelis iPC		Magelis HMIBS S-Box PC			
		HMIBSO Optimized	HMIBSU Universal		
					
		★★★★★	★★★★★	—	—
CPU (1)	Processor	Intel Atom N270 (1.6 GHz)	Intel Atom N2600 (1.6 GHz)		
	PCI slot	1 half-size mini PCIe	1 full-size mini PCIe		
	Storage	CFast card	CFast card	SSD with 5-year Intel warranty and 1.5 million hours MTBF	—
	RAM	2 GB	4 GB		
Operating system		Windows Embedded Standard 2009	Windows 7 32-bit (WES 7 Premium)		—
Supply voltage		9...36 V ---	12...24 V ---		
Standards and certifications		CE, cULus, EAC, CCC, RCM			
Software		Vijeo Designer RT Demo (21 day trial version) (1), Vijeo XD RT Demo (3), Vijeo Connect			
Compatible display models		Compatible with all screens of Magelis iDisplay range			
References		HMIBSOCND1E01	HMIBSUCND1W01	HMIBSUSND1W01	HMIBSU0ND1001
Pages		4/2 and 4/3			
Type of Magelis iPC		Magelis HMIDID iDisplay - Remote monitors with DVI port			



Display	Touch screen	12" color multi-touch resistive
	Definition	XGA, 1024 × 768 pixels
	Front protection	IP65
	Front USB port	1 USB 2.0 port
Supply voltage		12...24 V ~
Standards and certifications		CE, cULus, EAC, RCM, KC, ATEX/IECEX
Marine certifications		BV, CCS (3), DNV, GL, LR, RINA (3), ABS
Compatibility		All PCs with video port
Reference		HMIDID64DTD1
Page		6/2

(1) Require Vijeo Designer V6.2 SP2 or later to build and download HMI application.
(2) Rack 2U or 4U is a unit used to measure the height of a device that will be mounted in an 19" rack enclosure. 1 unit = 44.45 mm/1.75 in. high.

Magelis HMIR Rack PC			
HMIR●O Optimized PC 2U (2)		HMIRSU Universal PC 2U (2)	HMIRSP Performance PC 4U (2)
			
—			
Intel Core G540 (2.5 GHz)	Intel Core G850 (2.9 GHz)	Intel Core i3-2120 (3.3 GHz)	Intel Xeon™ Quad core E3-1225 (3.1 GHz)
2 PCIe (x8) + 1 PCI		2 PCIe (x16) + 1 PCI	
No storage drive or 1 HDD	1 HDD	1 HDD or 1 SSD	
2 GB DDR3		4 GB DDR3	
None or Windows 7	Windows 7	Windows 7	Windows 7, or Windows Server 2008 Standard R2, or Windows Server 2012 R2
110...240 V ~ (300 W single power supply)			110...240 V ~ (500 W single or redundant power supply)
CE, cULus, EAC, CCC, RCM			
Vijeo Designer RT Demo (21 day trial version) (1), Vijeo XD RT Demo (3)		Vijeo Designer RT Demo (21 day trial version) (1), Vijeo XD RT Demo (3), None or Citect SCADA DVD (4)	
Vijeo Designer RT Demo (21 day trial version) (1), Vijeo XD RT Demo, None or Citect SCADA DVD (4), or PES leaflet			
Compatible with all screens of Magelis iDisplay range			
HMIRXOHCA3●01	HMIRSOHPA3W01	HMIRSU●3A3701	HMIRSP●X●6●●●
5/2 and 5/3			
Magelis HMIDID iDisplay - Remote monitors with DVI port			Magelis HMIDAD Display Adapter



15" color multi-touch resistive	According to Magelis HMIDM Display mounted on front
XGA, 1024 × 768 pixels	
IP65	
1 USB 2.0 port	1 USB 2.0 (Type B), 1 display port
12...24 V ~	24 V ~ or 100...240 V ~ with external power adapter
CE, cULus, EAC, RCM, KC, ATEX/IECEX	CE, cULus HazLoc, ATEX, CCC
BV, CCS (3), DNV, GL, LR, RINA (3), ABS	—
All PCs with video port	
HMIDID73DTD1	HMIDADP11
6/3	3/19

(3) To be installed and activated by unlimited license HMIRTMCLSPMZZ.
(4) Citect SCADA DVD is only for installation. Software activation license has to be ordered separately.



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and Performance Panel PCs page 2/26

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without expansion slot module page 2/27
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Industrial PCs
Magelis iPCs for automation
Magelis HMIPS S-Panel PC
HMIPSO Optimized - 10" and 15" touch screens

Type of Magelis iPC		Magelis HMIPSO Optimized S-Panel PC - 10" touch screen			
					
Fanless		★★★★★			
Mounting type		Panel PC			
Screen	Type	LED LCD 5-point multi-touch projected capacitive technology screen			
	Size	W 10.1"			
	Resolution	HD WSVGA, 1280 × 800 pixels, 267,000 colors			
	Degree of protection	IP66 front panel, NEMA 4X indoor, and 7H hardness anti-scratch			
	View angle	Vertical 160°, horizontal 160°			
	Backlight	Life span > 50,000 hrs @ 25 °C/77 °F			
CPU	Processor	Intel® Atom E3827 dual-core (1.75 GHz, low power)			
	Storage	Main drive	CFast ≥ 32 GB		
			SSD flash disk ≥ 80 GB (5-year manufacturer warranty and 1.5 million hours MTBF) (1)	HDD hard disk ≥ 500 GB Enterprise 24/7 (1)	–
		Slots	☐ 1 CFast card slot ☐ 1x 2.5" SATA HDD/SSD storage slot, user-accessible (1)		
		Expansion kit (1)	Optional	Default	Default
		RAM	4 GB DDR3 (not extendable)		
		Integrated ports	☐ 2 RJ45 Ethernet 10/100/1,000 Mbps ☐ 1 USB 3.0 (Type A), 1 USB 2.0 (Type A) ☐ 1 RS-232, 1 RS-232C/422/485		
		Watchdog timer	Timer with 255 levels/intervals, programmable, 1...255 s		
	Operating system		WES 7 Premium SP1 (64-bit Multi-language) (5)	Windows 10 IoT Enterprise (64-bit Multi-language) (6)	None or configured-to-order offer (6)
	Power supply	Supply voltage	24 V $\pm$ (± 20%). AC power supply with external AC/DC power adapter HMIYPSOMAC1.		
Current consumption		1.9 A typical			
Dimensions	Overall (W × H × D)	283.1 × 202.3 × 61.3 mm (11.15 × 7.96 × 2.41 in.)			
	Mounting cut-out (W × H) with snap hook (5)	274.6 × 193.8 mm (10.81 × 7.63 in.)			
Temperature	During operation (1)	0...55 °C/32...131 °F		0...45 °C/32...113 °F	
	During storage	-30...70 °C/-22...158 °F			
Vibration resistance	During operation	2 g from 5...500 Hz with SSD/CFast and 1 g from 5...500 Hz with HDD			
Standards and certifications		CE, cULus ITE (UL IT 60950, CSA IT 60950), RCM, EAC, CCC, FCC (part 15 EMC Class A)			
Software		Vijeo XD (2)	Vijeo XD (2), Citect SCADA DVD (3)	Vijeo XD (2)	
		–			
		Vijeo XL (7), Vijeo Connect (8)			
References		HMIPSOC552D1W01	HMIPSOS552D1801	HMIPSOH552D1801	
Page		HMIPSO0552D1001			
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Configured-To-Order		See configured Magelis Optimized S-Panel PC on page 2/23 (6)			

(1) HMIYPADPSOSTO1 expansion kit for HMIPSO allowing 1 SATA HDD/SSD slot and 1 mini PCIe slot with its optional interface slot. Mini PCIe is limited to 0...45 °C/32...113 °F operating temperature.
(2) Vijeo XD Run Time: The demo version can be used temporarily without activation (installation from Vijeo XD Build Time DVD) and can be upgraded to unlimited version by purchasing the license HMIRTCMZLSPMZZ.
(3) Citect SCADA DVD is only for installation. Software activation license to be ordered separately.
(4) Snap hook allows mounting of S-Panel PC in the panel cut-out single-handedly.

Magelis HMIPSO Optimized S-Panel PC - 15" touch screen				
				
★★★★★				
Panel PC				
LED LCD 5-point multi-touch projected capacitive technology screen				
W 15.6"				
HD FWXGA, 1366 × 768 pixels, 16.7 million colors				
IP66 front panel, NEMA 4X indoor, and 7H hardness anti-scratch				
Vertical 140°, horizontal 150°				
Life span > 50,000 hrs @ 25 °C/77 °F				
Intel Atom E3827 dual-core (1.75 GHz, low power)				
CFast card ≥ 32 GB		SSD flash disk ≥ 80 GB (5-year manufacturer warranty and 1.5 million hours MTBF) (1)	HDD hard disk ≥ 500 GB Enterprise 24/7 (1)	–
☐ 1 CFast card slot ☐ 1x 2.5" SATA HDD/SSD storage slot, user-accessible (1)				
Optional	Default	Default	Optional	
4 GB DDR3 (not extendable)				
☐ 2 RJ45 Ethernet 10/100/1,000 Mbps ☐ 1 USB 3.0 (Type A), 1 USB 2.0 (Type A) ☐ 1 RS-232, 1 RS-232C/422/485				
Timer with 255 levels/intervals, programmable, 1...255 s				
WES 7 Premium SP1 (64-bit Multi-language) (5)		Windows 10 IoT Enterprise (64-bit Multi-language) (6)		None or configured-to-order offer (6)
24 V $\pm$ (± 20%). AC power supply with external AC/DC power adapter HMIYPSOMAC1.				
1.7 A typical				
419.7 × 269 × 61.9 mm (16.52 × 10.59 × 2.44 in.)				
412.4 × 261.7 mm (16.24 × 10.30 in.)				
0...55 °C/32...131 °F		0...45 °C/32...113 °F		0...55 °C/32...131 °F
-30...70 °C/-22...158 °F				
2 g from 5...500 Hz with SSD/CFast and 1 g from 5...500 Hz with HDD				
CE, cULus ITE (UL 60950, CSA22.2 n° 60950), RCM, EAC, CCC, FCC (part 15 EMC Class A)				
Vijeo XD (2)		Vijeo XD (2), Citect SCADA DVD (3)	Vijeo XD (2)	–
Vijeo XL (7), Vijeo Connect (8)				
HMIPSOC752D1W01		HMIPSOS752D1801	HMIPSOH752D1801	HMIPSO0752D1001
2/13				
See configured Magelis Optimized S-Panel PC on page 2/23 (7)				

(5) WES 7 Premium SP1 (64-bit Multi-language) supplied in 9 languages (English, French, German, Italian, Portuguese, Spanish, Swedish, Chinese, Russian). Also includes:
- Microsoft Word/Excel/Power Point Viewer
- Framework.Net 3.5
- Web browser
(6) Available with pre-installed Windows 8.1 which will be replaced by Windows 10 in Q4 2017. Windows 7 Ultimate SP1 (64-bit Multi-language) and Windows 8.1 Industry (64-bit Multi-language) are still available with Configured-To-Order offer..
(7) Vijeo XL Run Time with Configured-To-Order Magelis S-Panel PCs.
(8) To be installed and activated with subscription.

Industrial PCs
Magelis iPCs for automation
Magelis HMIPS S-Panel PC
HMIPSP Performance - 15" touch screen

Type of Magelis iPC		Magelis HMIPSP Performance S-Panel PC - 15" touch screen				
						
Fanless		★★★★★				
Mounting type		Panel PC				
Screen	Type	LED LCD 5-point multi-touch projected capacitive technology screen				
	Size	W 15.6"				
	Resolution	HD WFXGA, 1366 × 768 pixels, 16.7 million colors				
	Degree of protection	IP66 front panel, NEMA 4X indoor, and 7H hardness anti-scratch				
	View angle	Vertical 160°, horizontal 170°				
	Backlight	Life span > 50,000 hrs @ 25 °C/77 °F				
CPU	Processor	Intel® Core™ i3-4010U dual-core 4 th generation (1.7 GHz)				
	Expansion slot	1 full-size mini PCIe slot with 1 optional interface slot (1)				
	Storage	Main drive				
			CFast card ≥ 32 GB	SSD flash disk ≥ 80 GB (5-year manufacturer warranty and 1.5 million hours MTBF) (9)	SSD flash disk ≥ 180 GB (5-year manufacturer warranty and 1.5 million hours MTBF)	HDD hard disk ≥ 500 GB Enterprise 24/7
			1 CFast card slot 1x 2.5" SATA HDD/SSD storage slot, user-accessible			
			8 GB DDR3 (not extendable)			
			☐ 2 RJ45 Ethernet 10/100/1,000 Mbps ☐ 2 USB 3.0 ☐ 1 RS-232, 1 RS-232C/422/485 ☐ 1 HDMI port ☐ 1 Audio out ☐ 3 SMA connectors for the external antennas			
			Timer with 255 levels/intervals, programmable, 1...255 s			
		Slots				
		RAM				
		Integrated ports				
	Watchdog timer					
Operating system		WES 7 Premium SP1 (64-bit) (5) Windows 10 IoT Enterprise (64-bit Multi-language) (6)				
Power supply	Supply voltage	24 V ~ (± 20%). AC power supply with external AC/DC power adapter HMIYPSPMAC1.				
	Power consumption	18 W typical, 60 W max.				
Dimensions	Overall (W × H × D)	419.7 × 269 × 56.7 mm (16.52 × 10.59 × 2.23 in.)				
	Mounting cut-out (W × H) with snap hook (5)	412.4 × 261.7 mm (16.24 × 10.30 in.)				
Temperature	During operation	0...55 °C/32...131 °F		0...45 °C/32...113 °F		
	During storage	-20...60 °C/-4...140 °F				
Vibration resistance	During operation	2 g from 5...500 Hz with SSD/CFast and 1 g from 5...500 Hz with HDD				
Standards and certifications		CE, cULus ITE (UL 60950, CSA22.2 No. 60950), RCM, EAC, CCC, FCC (part 15 EMC Class A)				
Software		Vijeo XD (2)	Vijeo XD (2), Citect SCADA DVD (3)		Vijeo XD (2)	
		Vijeo XL (7), Vijeo Connect (8)				
References		HMIPSPC752D1W01	HMIPSPS752D1801	HMIPSPS752D180L	HMIPSPH752D1801	
Page		2/16				
Configured-To-Order		See configured Magelis Performance S-Panel PC on page 2/23 (6)				

(1) See accessories (page 2/17) for additional ports through Mini PCIe and optional interface.
(2) Vijeo XD Run Time: The demo version can be used temporarily without activation (installation from Vijeo XD Build Time DVD) and can be upgraded to unlimited version by purchasing the license HMIRTMZLSPMZZ.
(3) Citect SCADA DVD is only for installation. Software activation license to be ordered separately.
(4) Snap hook allows mounting of S-Panel PC in the panel cut-out single-handedly.

Magelis HMIPSP Performance S-Panel PC - 15" touch screen			
			
★★★★★			
Panel PC			
LED LCD 5-point multi-touch projected capacitive technology screen			
W 15.6"			
HD WFXGA, 1366 × 768 pixels, 16.7 million colors			
IP66 front panel, NEMA 4X indoor, and 7H hardness anti-scratch			
Vertical 160°, horizontal 170°			
Life span > 50,000 hrs @ 25 °C/77 °F			
Intel Core i3-4010U dual-core 4 th generation (1.7 GHz)			
1 full-size mini PCIe slot with 1 optional interface slot (1)			
SSD flash disk ≥ 80 GB (5-year manufacturer warranty and 1.5 million hours MTBF) (9)	SSD flash disk ≥ 180 GB (5-year manufacturer warranty and 1.5 million hours MTBF)	HDD hard disk ≥ 500 GB Enterprise 24/7	–
1 CFast card slot 1x 2.5" SATA HDD/SSD storage slot, user-accessible			
8 GB DDR3 (not extendable)			
☐ 2 RJ45 Ethernet 10/100/1,000 Mbps ☐ 2 USB 3.0 ☐ 1 RS-232, 1 RS-232C/422/485 ☐ 1 HDMI port ☐ 1 Audio out ☐ 3 SMA connectors for the external antennas			
Timer with 255 levels/intervals, programmable, 1...255 s			
Windows 7 Ultimate SP1 (64-bit Multi-language)			None or configured-to-order offer (6)
24 V ~ (± 20%). AC power supply with external AC/DC power adapter HMIYPSMAC1.			
18 W typical, 60 W max.			
419.7 × 269 × 56.7 mm (16.52 × 10.59 × 2.23 in.)			
412.4 × 261.7 mm (16.24 × 10.30 in.)			
0...55 °C/32...131 °F		0...45 °C/32...113 °F	0...55 °C/32...131 °F
-20...60 °C/-4...140 °F			
2 g from 5...500 Hz with SSD/CFast and 1 g from 5...500 Hz with HDD			
CE, cULus ITE (UL 60950, CSA22.2 No. 60950), RCM, EAC, CCC, FCC (part 15 EMC Class A)			
Vijeo XD (2), Citect SCADA DVD (3)		Vijeo XD (2)	–
Vijeo XL (7), Vijeo Connect (8)			
HMIPSPS752D1701	HMIPSPS752D170L	HMIPSPH752D1701	HMIPSP0752D1001
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See configured Magelis Performance S-Panel PC on page 2/23 (6)			

(5) WES 7 Premium SP1 (64-bit) supplied in 9 languages (English, French, German, Italian, Portuguese, Spanish, Swedish, Chinese, Russian). Also includes:
- Microsoft Word/Excel/Power Point Viewer
- Framework.Net 3.5
- Web browser
(6) Available with pre-installed Windows 8.1 which will be replaced by Windows 10 in Q4 2017. Windows 7 Ultimate SP1 (64-bit Multi-language) and Windows 8.1 Industry (64-bit Multi-language) are still available with Configured-To-Order offer.
(7) Vijeo XL Run Time with Configured-To-Order Magelis iPC.
(8) To be installed and activated with subscription.
(9) For high performance, you can preferably use configuration with 240 GB SSD.

Industrial PCs
Magelis iPCs for automation
Magelis HMIPS S-Panel PC
HMIPSP Performance - 19" touch screen

Type of Magelis iPC		Magelis HMIPSP Performance S-Panel PC - 19" touch screen					
							
Fanless		★★★★★					
Mounting type		Panel PC					
Screen	Type	LED LCD 5-point multi-touch projected capacitive technology screen					
	Size	W 18.5"					
	Resolution	HD WFXGA, 1366 × 768 pixels, 16.7 million colors					
	Degree of protection	IP66 front panel, NEMA 4X indoor, and 7H hardness anti-scratch					
	View angle	Vertical 160°, horizontal 170°					
	Backlight	Life span > 50,000 hrs @ 25 °C/77 °F					
CPU	Processor	Intel Core i3-4010U dual-core 4 th generation (1.7 GHz)					
	Expansion slot	1 full-size mini PCIe slot with 1 optional interface slot (1)					
	Storage	Main drive	CFast card ≥ 32 GB		SSD flash disk ≥ 80 GB (5-year manufacturer warranty and 1.5 million hours MTBF) (10)	SSD flash disk ≥ 180 GB (5-year manufacturer warranty and 1.5 million hours MTBF)	HDD hard disk ≥ 500 GB Enterprise 24/7
		Slots	☐ 1 CFast card slot ☐ 1x 2.5" SATA HDD/SSD storage slot, user-accessible				
	RAM	8 GB DDR3 (not extendable)					
	Integrated ports	☐ 2 RJ45 Ethernet 10/100/1,000 Mbps ☐ 2 USB 3.0 ☐ 1 RS-232, 1 RS-232C/422/485 ☐ 1 HDMI port ☐ 1 Audio out ☐ 3 SMA connectors for the external antennas					
		Timer with 255 levels/intervals, programmable, 1...255 s					
		WES 7 Premium SP1 (64-bit) (5)					
		Windows 10 IoT Enterprise (64-bit Multi-language) (6)					
Operating system (7)							
Power supply	Supply voltage	24 V $\pm$ (± 20%). AC power supply with external AC/DC power adapter HMIYPSPMAC1.					
	Power consumption	28 W typical, 60 W max.					
Dimensions	Overall (W × H × D)	488 × 309 × 56.7 mm (19.21 × 12.16 × 2.23 in.)					
	Mounting cut-out (W × H) with snap hook (4)	479.3 × 300.3 mm (18.87 × 11.82 in.)					
Temperature	During operation	0...55 °C/32...131 °F		0...45 °C/32...113 °F			
	During storage	-20...60 °C/-4...140 °F					
Vibration resistance	During operation	2 g from 5...500 Hz with SSD/CFast and 1 g from 5...500 Hz with HDD					
Standards and certifications		CE, cULus ITE (UL 60950, CSA22.2 No. 60950), RCM, EAC, CCC, FCC (part 15 EMC Class A)					
Software	Vijeo XD (2)		Vijeo XD (2), Citect SCADA DVD (3)		Vijeo XD (2)		
	Vijeo XL (7), Vijeo Connect (8)						
References		HMIPSPC952D1W01	HMIPSPS952D1801	HMIPSPS952D180L	HMIPSPH952D1801		
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Configured-To-Order		See configured Magelis Performance S-Panel PC on page 2/23 (6)					

(1) See accessories (page 2/17) for additional ports through Mini PCIe and optional interface.
(2) Vijeo XD Run Time: The demo version can be used temporarily without activation (installation from Vijeo XD Build Time DVD) and can be upgraded to unlimited version by purchasing the license HMIRTCZLSPMZZ.
(3) Citect SCADA DVD is only for installation. Software activation license to be ordered separately.
(4) Snap hook allows mounting of S-Panel PC in the panel cut-out single-handedly.

Magelis HMIPSP Performance S-Panel PC - 19" touch screen			
			
★★★★★			
Panel PC			
LED LCD 5-point multi-touch projected capacitive technology screen			
W 18.5"			
HD WFXGA, 1366 × 768 pixels, 16.7 million colors			
IP66 front panel, NEMA 4X indoor, and 7H hardness anti-scratch			
Vertical 160°, horizontal 170°			
Life span > 50,000 hrs @ 25 °C/77 °F			
Intel Core i3-4010U dual-core 4 th generation (1.7 GHz)			
1 full-size mini PCIe slot with 1 optional interface slot (1)			
SSD flash disk ≥ 80 GB (5-year manufacturer warranty and 1.5 million hours MTBF) (10)	SSD flash disk ≥ 180 GB (5-year manufacturer warranty and 1.5 million hours MTBF)	HDD hard disk ≥ 500 GB Enterprise 24/7	–
☐ 1 CFast card slot ☐ 1x 2.5" SATA HDD/SSD storage slot, user-accessible			
8 GB DDR3 (not extendable)			
☐ 2 RJ45 Ethernet 10/100/1,000 Mbps ☐ 2 USB 3.0 ☐ 1 RS-232, 1 RS-232C/422/485 ☐ 1 HDMI port ☐ 1 Audio out ☐ 3 SMA connectors for the external antennas			
Timer with 255 levels/intervals, programmable, 1...255 s			
Windows 7 Ultimate SP1 (64-bit Multi-language)			None or Configured-to-order offer (6)
24 V $\pm$ (± 20%). AC power supply with external AC/DC power adapter HMIYSPMAC1.			
28 W typical, 60 W max.			
488 × 309 × 56.7 mm (19.21 × 12.16 × 2.23 in.)			
479.3 × 300.3 mm (18.87 × 11.82 in.)			
0...55 °C/32...131 °F		0...45 °C/32...113 °F	0...55 °C/32...131 °F
-20...60 °C/-4...140 °F			
2 g from 5...500 Hz with SSD/CFast and 1 g from 5...500 Hz with HDD			
CE, cULus ITE (UL 60950, CSA22.2 No. 60950), RCM, EAC, CCC, FCC (part 15 EMC Class A)			
Vijeo XD (2), Citect SCADA DVD (3)		Vijeo XD (2)	–
Vijeo XL (7), Vijeo Connect (8)			
HMIPSPS952D1701	HMIPSPS952D170L	HMIPSPH952D1701	HMIPSP0952D1001
2/17			
See configured Magelis Performance S-Panel PC on page 2/23 (6)			

(5) WES 7 Premium SP1 (64-bit) supplied in 9 languages (English, French, German, Italian, Portuguese, Spanish, Swedish, Chinese, Russian). Also includes:
- Microsoft Word/Excel/Power Point Viewer
- Framework.Net 3.5
- Web browser
(6) Available with pre-installed Windows 8.1 which will be replaced by Windows 10 in Q4 2017. Windows 7 Ultimate SP1 (64-bit Multi-language) and Windows 8.1 Industry (64-bit Multi-language) are still available with Configured-To-Order offer.
(7) Vijeo XL Run Time with Configured-To-Order Magelis iPC.
(8) To be installed and activated with subscription.
(9) For high performance, you can preferably use configuration with 240 GB SSD.



Industrial PCs
Magelis iPCs for automation
Magelis HMIPEP Enclosed Panel PC
HMIPEP Performance - 19" touch screen

Type of Magelis iPC		Magelis HMIPEP Performance Enclosed Panel PC - 19" touch screen	
			
Fanless		★★★★★	
Mounting type		Enclosed PC	
Screen	Type	LED LCD 5-point multi-touch projected capacitive technology screen	
	Size	W 18.5"	
	Resolution	HD WFGA, 1366 × 768 pixels, 16.7 million colors	
	Degree of protection	IP65 all over with VESA 100 mounting, NEMA 4X indoor, and 7H hardness anti-scratch front panels	
	View angle	Vertical 160°, horizontal 170°	
	Backlight	Life span > 50,000 hrs @ 25 °C/77 °F	
CPU	Processor	Intel Core i3-4010U dual-core 4 th generation (1.7 GHz)	
	Expansion slot	1 full-size mini PCIe slot without external interface slot	
	Storage	Main drive	SSD flash disk ≥ 80 GB (5-year manufacturer warranty and 1.5 million hours MTBF) (4)
		Slots	☐ 1x 2.5" SATA HDD/SSD storage slot, user-accessible
	RAM	8 GB DDR3 (not extendable)	
	Integrated ports	☐ 2 Ethernet 10/100/1,000 Mbps M12 A-coding 8-pin female connector ☐ 1 USB 2.0 with M12 8-pin female connector ☐ 1 RS-232 with M12 8-pin male connector	
	Watchdog timer	Timer with 255 levels/intervals, programmable, 1...255 s	
Operating system		Windows 10 IoT Enterprise (64-bit Multi-language) (4)	
Power supply	Supply voltage	24 V $\pm$ (± 20%). AC power supply with external AC/DC power adapter HMIYSPMAC1.	
	Power consumption	35 W typical, 60 W max.	
Dimensions	Overall (W × H × D)	419.7 × 269 × 56.7 mm (16.52 × 10.59 × 2.23 in.)	
Temperature	During operation	0...55 °C/32...131 °F	
	During storage	-20...60 °C/-4...140 °F	
Vibration resistance	During operation	2 g from 5...500 Hz with SSD and CFast	
Standards and certifications		CE, cULus ITE (UL 60950, CSA22.2 No. 60950), RCM, EAC, CCC, FCC (part 15 EMC Class A)	
Software		Vijeo XD (2), Citect SCADA DVD (3)	
		Vijeo XL (5), Vijeo Connect (6)	
References		HMIPEPS952D1801	
Page		2/19	
Configured-To-Order		See configured Magelis Enclosed Performance S-Panel PC on page 2/23 (4)	

(1) See accessories (page 2/17) for additional ports through Mini PCIe and optional interface.
(2) Vijeo XD Run Time: The demo version can be used temporarily without activation (installation from Vijeo XD Build Time DVD) and can be upgraded to unlimited version by purchasing the license HMIRTCZLSPMZZ.
(3) Citect SCADA DVD is only for installation. Software activation license to be ordered separately.

Magelis HMIPEP Performance Enclosed Panel PC - 19" touch screen	
	
★★★★★	
Enclosed PC	
LED LCD 5-point multi-touch projected capacitive technology screen	
W 18.5"	
HD WFGA 1366 × 768 pixels, 16.7 million colors	
IP65 all over with VESA 100 mounting, NEMA 4X indoor, and 7H hardness anti-scratch front panels	
Vertical 160°, horizontal 170°	
Life span > 50,000 hrs @ 25 °C/77 °F	
Intel Core i3-4010U dual-core 4 th generation (1.7 GHz)	
1 full-size mini PCIe slot without external interface slot	
–	
□ 1x 2.5" SATA HDD/SSD storage slot, user-accessible	
8 GB DDR3 (not extendable)	
□ 2 Ethernet 10/100/1,000 Mbps M12 A-coding 8-pin female connector □ 1 USB 2.0 with M12 8-pin female connector □ 1 RS-232 with M12 8-pin male connector	
Timer with 255 levels/intervals, programmable, 1...255 s	
None or configured-to-order offer (4)	
24 V $\pm$ (± 20%). AC power supply with external AC/DC power adapter HMIYSPMAC1.	
35 W typical, 60 W max.	
419.7 × 269 × 56.7 mm (16.52 × 10.59 × 2.23 in.)	
0...55 °C/32...131 °F	
-20...60 °C/-4...140 °F	
2 g from 5...500 Hz with SSD and CFast	
CE, cULus ITE (UL 60950, CSA22.2 No. 60950), RCM, EAC, CCC, FCC (part 15 EMC Class A)	
–	
Vijeo XL (5), Vijeo Connect (6)	
HMIPEP0952D1001	
2/19	
See configured Magelis Enclosed Performance S-Panel PC on page 2/23 (4)	

(4) Available with pre-installed Windows 8.1 which will be replaced by Windows 10 in Q4 2017. Windows 7 Ultimate SP1 (64-bit Multi-language) and Windows 8.1 Industry (64-bit Multi-language) are still available with Configured-To-Order offer.
(5) Vijeo XL Run Time with Configured-To-Order Magelis iPC.
(6) To be installed and activated with subscription.
(7) For high performance, you can preferably use the configuration with 240 GB SSD.





Magelis HMIPSO Optimized S-Panel PCs 10" and 15"

Presentation

Magelis HMIPSO Optimized S-Panel PCs are the entry level Panel PCs in the Magelis iPC range. These simple-in-design PCs with Intel™ Atom dual-core CPU cater for the performance requirements of most automation applications in the field.

Magelis Optimized S-Panel PCs offer improved application and operator efficiency with:

- 10"/15" wide TFT multi-touch screens, LED backlight, IP66 protection, and 7H hardness anti-scratch front
- Maintenance-free non-rotating parts and operation up to +55 °C/131 °F (or up to +45 °C/113 °F for models with HDD or mini PCIe)
- Integration of software applications such as HMI Vijeo XD software and third-party Windows software
- Expansions with optional interfaces based on mini PCIe (Com, USB, HD audio, Video, networks, wireless, etc.)
- Available with WES 7, Windows 8.1, Windows 10 (2), without an operating system, or with Windows 7 or Windows 8.1 in Configured-To-Order offer

Overview of the offer

Magelis HMIPSO Optimized

Magelis HMIPSO, with 8 references, are equipped with:

- Fanless Intel® Atom E3827 dual-core processor(1.75 GHz)
- 4 GB DDR3 RAM, default mounted
- Connection ports: 1 USB 3.0, 1 USB 2.0, 2 COM (RS-232, RS-232/422/485), 2 Gigabit Ethernet
- Expansion kit (depending on model): 1 optional/default kit allowing 1 SATA HDD/SSD slot and 1 mini PCIe slot with its optional interface slot
- Power supply: 24 V ~~, AC power supply with external AC/DC power adapter **HMIYPSOMAC1**

The operating systems and storage devices for 10" and 15" touch screens are:

- **HMIPSOC552D1W01** and **HMIPSOC752D1W01**:
 - Operating system: WES 7 Premium SP1 (64-bit)
 - Default storage device: 32 GB CFAST card
- **HMIPSOS552D1801** and **HMIPSOS752D1801**:
 - Operating system: Windows 10 IoT Enterprise (64-bit Multi-language) (2)
 - Default storage device: 80 GB SSD (5-year manufacturer warranty and 1.5 million hours MTBF)
 - Expansion kit: **HMIYPADPSOSTO1**
- **HMIPSOH552D1801** and **HMIPSOH752D1801**:
 - Operating system: Windows 10 IoT Enterprise (64-bit Multi-language) (2)
 - Default storage device: 500 GB HDD (Enterprise 24/7)
 - Expansion kit: **HMIYPADPSOSTO1**
- **HMIPSO0552D1001** and **HMIPSO0752D1001**:
 - Operating system: None
 - Default storage device: None
- Windows 7 SP1 Ultimate operating system (64-bit Multi-language) is available with Configured-To-Order offer (see page 2/23)

Ready-to-run Software for Magelis HMIPSO

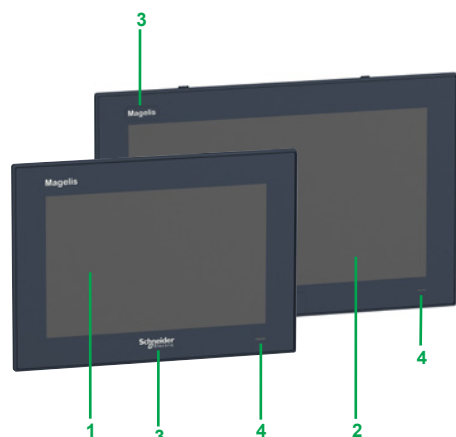
Magelis HMIPSO S-Panel PCs are supported by Schneider Electric HMI software. For HMI applications, Vijeo XD Run Time demo version can be downloaded and activated to unlimited version with **HMIRTM CZLSPMZZ** license. For line management and lite supervision, Vijeo XL Run Time is available via Configured-To-Order process. For more information on Vijeo XD and Vijeo XL, please refer to our website www.schneider-electric.com/HMI Configuration Software.

Citect SCADA software can run on Magelis HMIPSO with an SSD disk drive. This software can be installed from the Citect SCADA DVD (1) supplied with Magelis HMIPSO.

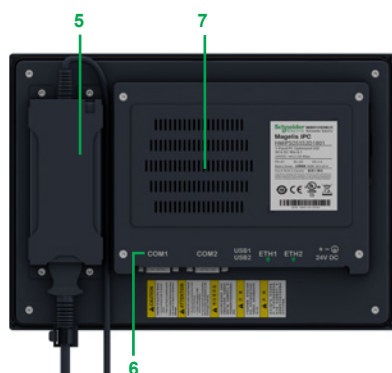
For secure remote access, Magelis HMIPSO are supported with Vijeo Connect that will have to be installed and activated with subscription.

(1) Citect SCADA DVD is only for installation. Software activation license to be ordered separately.

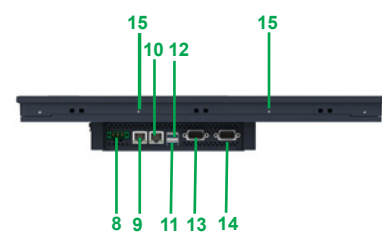
(2) Available with pre-installed Windows 8.1 which will be replaced by Windows 10 in Q4 2017.



10" and 15" front view



Rear view



Underside view



Underside view with expansion kit

Description

Magelis HMIPSO Optimized: 10" and 15" touch screens

Front view

- 1 10" LCD multi-touch LED screen, HD WSVGA, 1280 × 800 pixels, and 267,000 colors for **HMIPSO●552D1●01**:
 - Brightness: 300 cd/m² (adjustable)
 - Type of touch panel: 5-point projected capacitive technology multi-touch
 - Typical viewing angle: 160° (vertically)/160° (horizontally)
- 2 15" LCD multi-touch LED screen, HD WFXGA, 1366 × 768 pixels, and 16 million colors for **HMIPSO●752D1●01**:
 - Brightness: 300 cd/m² (adjustable)
 - Type of touch panel: 5-point projected capacitive technology multi-touch
 - Typical viewing angle: 140° (vertically)/150° (horizontally)
- 3 Magelis and Schneider Electric removable stickers
- 4 Power status indicator (Green: On, Orange: Stand-by, No light: Off)

Rear view (1)

- 5 Optional AC power supply
- 6 S-Panel PC interface
- 7 Cover for mini PCIe card and HDD/SSD drive

Underside view

- 8 DC power connector
- 9 1 Eth1 (10/100/1,000 Mbps)
- 10 1 Eth2 (10/100/1,000 Mbps)
- 11 1 USB2 (USB 2.0)
- 12 1 USB1 (USB 3.0)
- 13 1 COM2 RS-232/422/485 port
- 14 1 COM1 RS-232 port
- 15 Snap hook (2)
- 16 Expansion kit
- 17 Optional interface
- 18 Optional AC power supply

(1) Cooling method is by passive heat sink.

(2) Snap hook allows mounting of S-Panel PC in the panel cut-out single-handedly.

PF513847



HMIPSOS552D1801

PF513850



HMIPSOS552D1801

Magelis HMIPSO Optimized: 10" touch screen
(Intel Atom E3827 dual-core processor, 1.75 GHz)

Supply voltage	Operating system (1)	Software	Storage	DDR3 RAM (5)	Reference	Weight kg/lb
24 V ~ (6)	WES 7 Premium SP1 (64-bit) (2)	Vijeo XD RT Demo (3) Vijeo Connect (4)	CFast card ≥ 32 GB	4 GB	HMIPSOC552D1W01	2.50/ 5.51
	Windows 10 IoT Enterprise (64-bit Multi-language) (7)		SSD flash disk ≥ 80 GB with 1.5 million hours MTBF (mounted in expansion kit)	4 GB	HMIPSOS552D1801	2.50/ 5.51
			HDD hard disk ≥ 500 GB (mounted in expansion kit)	4 GB	HMIPSOH552D1801	2.50/ 5.51
				4 GB	HMIPSO0552D1001	2.50/ 5.51

(1) Windows 7 SP1 Ultimate (64-bit Multi-language) and Windows 8.1 Industry SP1 (64-bit Multi-language) operating system are available with Configured-To-Order Magelis HMIPSO (see page 2/23).

(2) WES 7 Premium SP1 supplied in 9 languages (English, French, German, Italian, Portuguese, Spanish, Swedish, Chinese, Russian). Also includes:

- Microsoft® Word/Excel/Power Point Viewer
- Framework.Net 3.5
- Web browser

(3) Vijeo XD Run Time: The demo version can be used temporarily without activation (installation from Vijeo XD Build Time DVD) and can be upgraded to unlimited version by purchasing the license HMIRTM CZLSPMZZ.

(4) To be installed and activated with subscription.

(5) 4 GB DDR3 RAM is not user expandable.

(6) AC power supply with external AC/DC power adapter HMIYPSMAC1.

(7) Available with pre-installed Windows 8.1 which will be replaced by Windows 10 in Q4 2017.

Industrial PCs

Magelis iPCs for automation

Magelis HMIPS S-Panel PCs

HMIPSO Optimized - 15" touch screen

PF513948



HMIPSOS752D1801

PF513950



HMIPSOS752D1801

Magelis HMIPSO Optimized: 15" touch screen
(Intel Atom E3827 dual-core processor, 1.75 GHz)

Supply voltage	Operating system (1)	Software	Storage	DDR3 RAM(5)	Reference	Weight kg/lb
24 V ~ (6)	WES 7 Premium SP1 (64-bit) (2)	Vijeo XD RT Demo (3) Vijeo Connect (4)	CFlash card ≥ 32 GB	4 GB	HMIPSOC752D1W01	3.90/ 8.60
	Windows 10 IoT Enterprise (64-bit Multi-language) (7)		SSD flash disk ≥ 80 GB with 2 million hours MTBF (mounted in expansion kit)	4 GB	HMIPSOS752D1801	3.90/ 8.60
			HDD hard disk ≥ 500 GB (mounted in expansion kit)	4 GB	HMIPSOH752D1801	3.90/ 8.60
—	—	—	—	4 GB	HMIPSO0752D1001	3.90/ 8.60

(1) Windows 7 SP1 Ultimate (64-bit Multi-language) and Windows 8.1 Industry SP1 (64-bit Multi-language) operating system are available with Configured-To-Order Magelis HMIPSO (see page 2/23).

(2) WES 7 Premium SP1 supplied in 9 languages (English, French, German, Italian, Portuguese, Spanish, Swedish, Chinese, Russian). Also includes:

- Microsoft® Word/Excel/Power Point Viewer
- Framework.Net 3.5
- Web browser

(3) Vijeo XD RT: The demo version can be used temporarily without activation (installation from Vijeo XD Build Time DVD) and can be upgraded to unlimited version by purchasing the license HMIRTM CZLSPMZZ.

(4) To be installed and activated with subscription.

(5) 4 GB DDR3 RAM is not user expandable.

(6) AC power supply with external AC/DC power adapter HMIYSPMAC1

(7) Available with pre-installed Windows 8.1 which will be replaced by Windows 10 in Q4 2017.

Industrial PCs

Magelis™ iPCs for automation

Magelis HMIPS S-Panel PCs

HMIPSP Performance -15" and 19" touch screens

2



Magelis S-Panel Performance PC 15" and 19"

Presentation

Magelis HMIPSP Performance S-Panel PCs are simple all-in-one design performance PCs. The 15"/19" wide screens, HD resolution display, and capacitive multi-touch feature enhances the user experience of these PCs. The fanless Intel Core i3 CPU processor delivers good performance for a wide range of software.

Magelis Performance S-Panel PCs offer improved application and operator efficiency with:

- 15"/19" wide TFT multi-touch screens, LED backlight, IP66 protection, and 7H hardness anti-scratch front
- Slim panels with depth < 57 mm/2.24 in.
- Maintenance-free non-rotating parts and operation up to +55 °C/131 °F
- Integration of software applications such as HMI Vijeo XD software, Lite supervision Vijeo XL, Citect SCADA, and third-party Windows software
- Expansions with optional interfaces based on mini PCIe (Com, USB, HD audio, Video, networks, wireless, etc.)
- Available with WES 7, Windows 7, Windows 8.1, Windows 10, or without an operating system

Overview of the offer

Magelis HMIPSP Performance

Magelis HMIPSP Performance PCs, with 16 references, are equipped with:

- Fanless Intel® i3-4010U dual-core processor (1.7 GHz)
- 8 GB DDR3 RAM, default mounted
- Connection ports: 2 USB 3.0, 2 COM (RS-232, RS-232/422/485), 2 Gigabit Ethernet, 1 HD audio port, 1 HDMI video port, and 3 SMA for antennas
- Expansion slot: 1 mini PCI Express® full slot with 1 optional interface slot
- Power supply: 24 V DC, AC power supply with external AC/DC power adapter **HMIYPSMAC1**

The operating systems and storage devices for 15" and 19" touch screens are:

- **HMIPSPC752D1W01** and **HMIPSPC952D1W01**:
 - Operating system: WES 7 Premium SP1 (64-bit)
 - Default storage device: 32 GB CFast card
- **HMIPSPS752D1801** and **HMIPSPS952D1801**:
 - Operating system: Windows 10 IoT Enterprise (64-bit Multi-language)
 - Default storage device: 80 GB SSD (5-year manufacturer warranty and 1.5 million hours MTBF)
- **HMIPSPS752D180L** and **HMIPSPS952D180L**:
 - Operating system: Windows 10 IoT Enterprise (64-bit Multi-language)
 - Default storage device: 180 GB SSD (5-year manufacturer warranty and 1.5 million hours MTBF)
- **HMIPSPH752D1801** and **HMIPSPH952D1801**:
 - Operating system: Windows 10 IoT Enterprise (64-bit Multi-language)
 - Default storage device: 500 GB HDD (Enterprise 24/7)
- **HMIPSPS752D1701** and **HMIPSPS952D1701**:
 - Operating system: Windows 7 Ultimate SP1 (64-bit Multi-language)
 - Default storage device: 80 GB SSD (5-year manufacturer warranty and 1.5 million hours MTBF)
- **HMIPSPS752D170L** and **HMIPSPS952D170L**:
 - Operating system: Windows 7 Ultimate SP1 (64-bit Multi-language)
 - Default storage device: 180 GB SSD (5-year manufacturer warranty and 1.5 million hours MTBF)
- **HMIPSPH752D1701** and **HMIPSPH952D1701**:
 - Operating system: Windows 7 Ultimate SP1 (64-bit Multi-language)
 - Default storage device: 500 GB HDD (Enterprise 24/7)
- **HMIPSP0752D1001** and **HMIPSP0952D1001**:
 - Operating system: None
 - Default storage device: None

Presentation (continued)

Ready-to-run Software for Magelis HMIPSP

Magelis HMIPSP S-Panel PCs are supported by Schneider Electric HMI software. For HMI applications, Vijeo XD Run Time demo version can be downloaded and activated to unlimited version with **HMIRTM CZLSPMZZ** license. For line management and lite supervision, Vijeo XL Run Time is available via Configured-To-Order process. For more information on Vijeo XD and Vijeo XL, please refer to our website www.schneider-electric.com/HMI Configuration Software.

Citect SCADA software can run on Magelis HMIPSP with an SSD disk drive. This software can be installed from the Citect SCADA DVD supplied with Magelis HMIPSP (1).

For secure remote access, Magelis HMIPSP are supported with Vijeo Connect that will have to be installed and activated with subscription.

Description

Magelis HMIPSP Performance: 15" and 19" touch screens

Front view

- 1 15" LCD multi-touch LED screen, HD WFXGA, 1366 × 768 pixels, 16 million colors for **HMIPSP●752D1●●●**:
 - Brightness: 300 cd/m² (adjustable)
 - Type of touch panel: 5-point projected capacitive technology multi-touch
 - Typical viewing angle: 160° (vertically)/170° (horizontally)
- 2 19" LCD multi-touch LED screen, HD WFXGA, 1366 × 768 pixels, 16 million colors for **HMIPSP●952D1●●●**:
 - Brightness: 300 cd/m² (adjustable)
 - Type of touch panel: 5-point projected capacitive technology multi-touch
 - Typical viewing angle: 160° (vertically)/170° (horizontally)
- 3 Magelis and Schneider Electric removable stickers
- 4 Power status indicator (Green: On, Orange: Stand-by, No light: Off)

Rear view

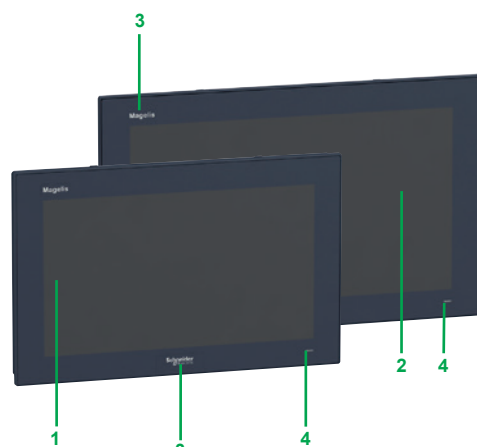
- 5 Heat sink
- 6 S-Panel PC interface
- 7 S-Panel PC cover for storage drives (2.5" SATA HDD/SSD, CFast)
- 8 S-Panel PC rear access to mini PCIe and internal connector for optional interfaces

Underside view

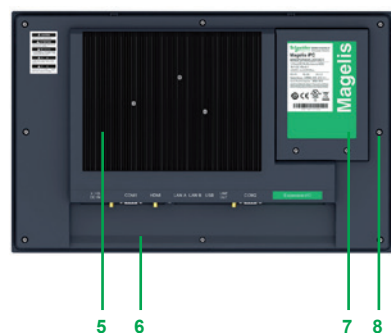
- 9 DC power connector
- 10 SMA connector for the external antenna (1)
- 11 1 COM1, RS-232 port
- 12 1 HDMI
- 13 SMA connector for the external antenna
- 14 1 Eth1 (10/100/1000 Mbps) supports AMT (active management technology)
- 15 1 Eth2 (10/100/1000 Mbps)
- 16 1 USB1 (USB 3.0) and 1 USB2 (USB 3.0)
- 17 1 Audio Line out
- 18 1 COM2, RS-232/422/485 port
- 19 1 optional interface
- 20 Snap hook (2)

(1) Citect SCADA DVD is only for installation. Software activation license to be ordered separately.

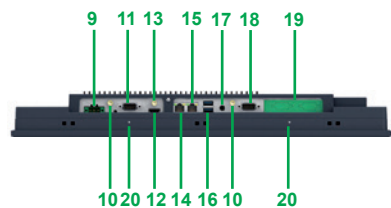
(2) Snap hook allows mounting of S-Panel PC in the panel cut-out single-handedly.



15" and 19" front view



19" rear view



19" underside view

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HMIPSPH752D1801

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HMIPSPH752D1801

Magelis HMIPSP Performance: 15" touch screen
(Intel i3-4010U dual-core processor, 1.7 GHz)

Supply voltage Expansion slot	Operating system (1)	Software	Storage	DDR3 RAM (6)	Reference	Weight kg/lb
24 V $\square$ (7) 1 mini PCIe slot	WES 7 Premium SP1 (64-bit Multi-language) (2)	Vijeo XD RT Demo (3), Vijeo Connect (5)	CFAST card $\geq$ 32 GB	8 GB	HMIPSPC752D1W01	6.00/ 13.23
			SSD flash disk $\geq$ 80 GB with 1.5 million hours MTBF	8 GB	HMIPSPS752D1801	6.00/ 13.23
			SSD flash disk $\geq$ 180 GB with 1.5 million hours MTBF	8 GB	HMIPSPS752D180L	6.00/ 13.23
	Windows 10 IoT Enterprise (64-bit Multi-language) (8)	Vijeo XD RT Demo (3), Citect SCADA DVD (4), Vijeo Connect (5)	HDD hard disk $\geq$ 500 GB	8 GB	HMIPSPH752D1801	6.00/ 13.23
			SSD flash disk $\geq$ 80 GB with 1.5 million hours MTBF	8 GB	HMIPSPS752D1701	6.00/ 13.23
			SSD flash disk $\geq$ 180 GB with 1.5 million hours MTBF	8 GB	HMIPSPS752D170L	6.00/ 13.23
—	—	—	HDD hard disk $\geq$ 500 GB	8 GB	HMIPSPH752D1701	6.00/ 13.23
			—	8 GB	HMIPSP0752D1001	6.00/ 13.23
			—	8 GB	HMIPSP0752D1001	6.00/ 13.23

(1) Windows 8.1 Industry SP1 (64-bit Multi-language) operating system is available with Configured-To-Order: Magelis HMIPSP (see page 2/23).

(2) WES 7 Premium SP1 supplied in 9 languages (English, French, German, Italian, Portuguese, Spanish, Swedish, Chinese, Russian). Also includes:

- Microsoft (R) Word/Excel/Power Point Viewer
- Framework.Net 3.5
- Web browser

(3) Vijeo XD Run Time: The demo version can be used temporarily without activation (installation from Vijeo XD Build Time DVD) and can be upgraded to unlimited version by purchasing the license HMIRTMCLSPMZZ.

(4) Citect SCADA DVD is only used for installation. Software activation license has to be ordered separately.

(5) To be installed and activated with subscription.

(6) 8 GB DDR3 RAM is not user expandable.

(7) AC power supply with external AC/DC power adapter HMIYSPMAC1.

(8) Available with pre-installed Windows 8.1 which will be replaced by Windows 10 in Q4 2017.

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HMIPSPH952D1801

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HMIPSPH952D1801

Magelis HMIPSP Performance: 19" touch screen
(Intel i3-4010U dual-core processor, 1.7 GHz)

Supply voltage	Operating system (1)	Software	Storage	DDR3 RAM (6)	Reference	Weight kg/lb
24 V $\overline{\text{---}}$ (7) 1 mini PCIe slot	WES 7 Premium SP1 (64-bit Multi-language) (2)	Vijeo XD RT Demo (3), Vijeo Connect (5)	CFast card $\geq$ 32 GB	8 GB	HMIPSPC952D1W01	7.00/ 15.43
	Windows 10 IoT Enterprise (64-bit Multi-language) (8)	Vijeo XD RT Demo (3), Citect SCADA DVD (4), Vijeo Connect (5)	SSD flash disk $\geq$ 80 GB with 1.5 million hours MTBF	8 GB	HMIPSPS952D1801	7.00/ 15.43
		Vijeo XD RT Demo (3), Vijeo Connect (5)	SSD flash disk $\geq$ 180 GB with 1.5 million hours MTBF	8 GB	HMIPSPS952D180L	7.00/ 15.43
			HDD hard disk $\geq$ 500 GB	8 GB	HMIPSPH952D1801	7.00/ 15.43
	Windows 7 Ultimate SP1 (64-bit Multi-language)	Vijeo XD RT Demo (3), Citect SCADA DVD (4), Vijeo Connect (5)	SSD flash disk $\geq$ 80 GB with 1.5 million hours MTBF	8 GB	HMIPSPS952D1701	7.00/ 15.43
		Vijeo XD RT Demo (3), Vijeo Connect (5)	SSD flash disk $\geq$ 180 GB with 1.5 million hours MTBF	8 GB	HMIPSPS952D170L	7.00/ 15.43
			HDD hard disk $\geq$ 500 GB	8 GB	HMIPSPH952D1701	7.00/ 15.43
—	—	—	—	8 GB	HMIPSP0952D1001	7.00/ 15.43

(1) Windows 8.1 Industry SP1 (64-bit Multi-language) operating system is available with Configured-To-Order Magelis HMIPSP (see page 2/23).

(2) WES 7 Premium SP1 supplied in 9 languages (English, French, German, Italian, Portuguese, Spanish, Swedish, Chinese, Russian). Also includes:

- Microsoft (R) Word/Excel/Power Point Viewer
- Framework .Net 3.5
- Web browser

(3) Vijeo XD Run Time: The demo version can be used temporarily without activation (installation from Vijeo XD Build Time DVD) and can be upgraded to unlimited version by purchasing the license HMIRTMCLSPMZZ.

(4) Citect SCADA DVD is only used for installation. Software activation license has to be ordered separately.

(5) To be installed and activated with subscription.

(6) 8 GB DDR3 RAM is not user expandable.

(7) AC power supply with external AC/DC power adapter HMIYSPMAC1

(8) Available with pre-installed Windows 8.1 which will be replaced by Windows 10 in Q4 2017.



Magelis HMIPEP Performance Enclosed Panel PC 19"

Presentation

Magelis HMIPEP Enclosed Performance S-Panel PCs are fully enclosed PCs with IP65 protection on all sides. These 19" wide PCs can be directly mounted on a machine or automation system without any additional enclosure. The HD display and multi-touch features enhance the user experience.

Magelis Enclosed Performance S-Panel PCs offer increased application and operator efficiency with:

- 19" wide HD TFT multi-touch screens, LED backlight, and 7H hardness anti-scratch front
- Ready to be VESA mounted with IP65 protection on all sides and M12 connections
- Slim enclosed panels with 65 mm/2.56 in. depth
- Maintenance-free non-rotating parts and operation up to +55 °C/131 °F
- Available with Windows 10 (2), without an operating system, or with Windows 7 and 8.1 in Configured-To-Order offer

Overview of the offer

Magelis HMIPEP Performance

Magelis HMIPEP Enclosed Performance PCs, with 2 references, are equipped with:

- Fanless Intel® i3-4010U dual-core processor (1.7 GHz)
- 8 GB DDR3 RAM, default mounted
- 5x M12 Connection ports: 1 USB 2.0, 1 COM (RS-232), 2 Gigabit Ethernet, 1x 24 V $\overline{\text{V}}$ power supply
- Expansion slot: 1 full-size mini PCIe slot without external interface slot

The operating systems and storage devices for 19" touch screens are:

- **HMIPEPS952D1801:**
 - Operating system: Windows 10 IoT Enterprise (64-bit Multi-language) (2)
 - Default storage device: 80 GB SSD (5-year manufacturer warranty and 1.5 million hours MTBF)
- **HMIPEP0952D1001:**
 - Operating system: None
 - Default storage device: None

Ready-to-run Software for Magelis HMIPEP

Magelis HMIPEP S-Panel PCs are supported by Schneider Electric HMI software. For HMI applications, Vijeo XD Run Time demo version can be downloaded and activated to unlimited version with **HMIRTM CZLSPMZZ** license. For line management and lite supervision, Vijeo XL Run Time is available via Configured-To-Order process. For more information on Vijeo XD and Vijeo XL, please refer to our website www.schneider-electric.com/HMI Configuration Software.

Citect SCADA software can run on Magelis HMIPEP with an SSD disk drive. This software can be installed from the Citect SCADA DVD (1) supplied with Magelis HMIPEP.

For secured remote access, Magelis HMIPEP are supported with Vijeo Connect that will have to be installed and activated with subscription.

(1) Citect SCADA DVD is only for installation. Software activation license to be ordered separately.

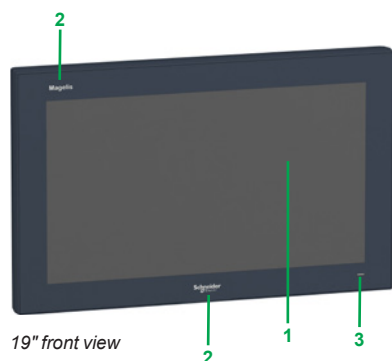
(2) Available with pre-installed Windows 8.1 which will be replaced by Windows 10 in Q4 2017.

Industrial PCs

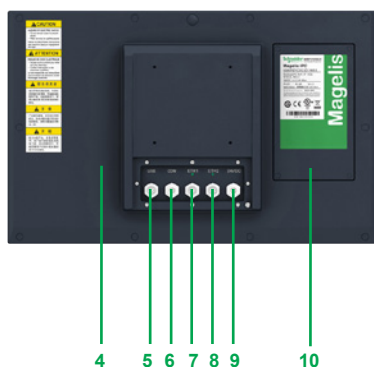
Magelis iPCs for automation

Magelis HMIPEP Enclosed Panel PC

HMIPEP Performance - 19" touch screen



19" front view



19" rear view



HMIPEPS952D1801



HMIPEPS952D1801

Description

Magelis HMIPEP Performance: 19" touch screen

Front view

- 1 19" LCD multi-touch LED screen, HD WFXGA 1366 × 768 pixels, 16 million colors for **HMIPEP●952D1●01**:
 - Brightness: 300 cd/m² (adjustable)
 - Type of touch panel: 5-point projected capacitive technology multi-touch
 - Typical viewing angle: 160° (vertically)/170° (horizontally)
- 2 Magelis and Schneider Electric removable stickers
- 3 Power status indicator (Green: On, Orange: Stand-by, No light: Off)

Rear view (1)

- 4 Cover
- 5 1 USB 2.0 with M12 8-pin female connector
- 6 1 RS-232 with M12 8-pin male connector
- 7 1 Eth1 (10/100/1000 Mbps) base-T with M12 8-pin female connector
- 8 1 Eth2 (10/100/1000 Mbps) base-T with M12 8-pin female connector
- 9 1 24 V $\overline{\text{---}}$ power supply with M12 5-pin male connector
- 10 Back cover to access HDD/SSD slot

Magelis HMIPEP Performance: 19" touch screen

(Intel i3-4010U dual-core processor, 1.7 GHz)

Supply voltage	Expansion slot	Storage	Software	Reference	Weight kg/lb
Windows 8.1 Industry SP1 (64-bit Multi-language), 8 GB DDR3 RAM (4)					
24 V $\overline{\text{---}}$	1 mini PCIe slot	SSD flash disk $\geq$ 80 GB with 1.5 million hours MTBF	Vijeo XD RT Demo (2), Citect SCADA DVD (3), Vijeo Connect (5)	HMIPEPS952D1801	8.00/ 17.64

No operating system, 8 GB DDR3 RAM (4)

24 V $\overline{\text{---}}$	1 mini PCIe slot	—	—	HMIPEP0952D1001	8.00/ 17.64
------------------------------	------------------	---	---	------------------------	----------------

(1) Cooling method is by passive heat sink.

(2) Vijeo XD Run Time: The demo version can be used temporarily without activation (installation from Vijeo XD Build Time DVD) and can be upgraded to unlimited version by purchasing the license HMIRTMZLSPMZZ.

(3) Citect SCADA DVD is only used for installation. Software activation license has to be ordered separately.

(4) 8 GB DDR3 RAM is not user expandable.

(5) To be installed and activated with subscription.

PF143810



HMIYSSDS240S1

Separate components

Description	Details	Compatible with Magelis HMIP			Reference	Weight
		Optimized	Performance	Enclosed Performance		
		HMIPSO	HMIPSP	HMIPEP		
Drives						
Blank CFast card	32 GB MLC	Yes	–		HMIYCFA32S	–
Blank SSD with mounting screws	80 GB MLC (5-year warranty and 1.5 million hours MTBF)	All models (1)			HMIYSSDS080S1	–
	180 GB MLC (5-year warranty and 1.5 million hours MTBF)	All models (1)			HMIYSSDS160S1	–
	240 GB MLC (5-year warranty and 2 million hours MTBF)	All models (1)			HMIYSSDS240S1	–
Blank HDD	Spare 1 TB HDD, blank	All models (1)			HMIYHDD01T21	–
	Spare 500 GB HDD, blank	All models (1)			HMIYHDD50021	–

(1) Require Expansion kit (HMIYPADPSOSTO1) for HMIPSO Optimized S-Panel PC.

Separate components (continued)						
Description	Details	Compatible with Magelis HMIP			Reference	Weight kg/lb
		Optimized	Performance	Enclosed Performance HMIPEP		
		HMIPSO	HMIPSP			
Interfaces						
NVRAM interface	Mini PCIe with non-volatile RAM, without external connectors	Yes (1)		—	HMIYMINNVRAM1	—
HDMI to DVI interface	HDMI to DVI interface	—	Yes	—	HMIYADHDMIDVIS1	—
2 RS-422/485 isolated interface	Mini PCIe with 2 RS-422/485, isolated external interface with connectors	Yes (1)		—	HMIYMINSL24851	—
4 RS-422/485 interface	Mini PCIe with 4 RS-422/485, external interface with connectors	Yes (1)		—	HMIYMINSL44851	—
2 RS-232 isolated interface	Mini PCIe with 2 RS-232, isolated external interface with connectors	Yes (1)		—	HMIYMINSL22321	—
4 RS-232 interface	Mini PCIe with 4 RS-232, external interface with connectors	Yes (1)		—	HMIYMINSL42321	—
1 Profibus DP Master NVRAM interface	Mini PCIe with 1 Profibus DP Master, non-volatile RAM, external interface with connectors	Yes (1)		—	HMIYMINPRO1	—
2 CANopen/CAN bus interface	Mini PCIe with 2 CAN fieldbus, external interface with connectors, drivers for CANopen and CAN bus	Yes (1)		—	HMIYMINCAN1	—
16DI/8DO interface	Mini PCIe with 16DI/8DO, external interface with connectors, 2 m/6.56 ft cable and DIN rail wiring terminal	Yes (1)		—	HMIYMINIO1	—
2 USB 3.0 interface	Mini PCIe with USB 3.0, external interface with connectors	Yes (1)		—	HMIYMINUSB1	—
3G cellular interface	Mini PCIe with GPRS, SIM card holder and external antenna	Yes (1)		—	HMIYMINGPRS1	—
Wireless LAN interface + 2 antennas kit	Kit with mini PCIe (half-size) WiFi access point + bluetooth, adapter to mini PCIe (full-size) slot, and 2 antennas	Yes (1)		—	HMIYMINWIFI1	—
Remote wireless LAN antenna cable	5 m/16.4 ft cable to mount a WiFi antenna remotely from Magelis iPC	Yes (1)		—	HMIYCABWIFIAN51	—
4G cellular interface	Mini PCIe GPRS 4G for North America frequencies. Kit including SIM card holder and external antennas	Yes		—	HMIYMIN4GUS1(2)	—
4G cellular interface for Europe and Asia	Mini PCIe GPRS 4G for Europe and Asia frequencies. Kit including SIM card holder and external antennas	Yes		—	HMIYMIN4GEU1 (2)	—
Interface Mini PCIe DVI-I for iPC	Mini PCIe Graphic video card Full HD 1920 x 1080, with DVI-I connector on an external interface (providing both dual digital and analog signals)	Yes		—	HMIYMINDVII1(2)	—
Interface Mini PCIe 2VGA + DVI-D	Mini PCIe Graphic video card Full HD 1920 x 1080, with 2xVGA connectors on a single external interface and 1x DVI-D connector in a second external interface	Yes		—	HMIYMINVGADVID1 (2)	—
Interface Mini PCIe Audio for iPC	Mini PCIe audio card and one external interface with speaker OUT, Line IN and Mic IN connectors	Yes		—	HMIYMINAUD21	—

(1) Require Expansion kit (HMIYPADPSOSTO1) for HMIPSO Optimized S-Panel PC.

(2) Available in Q1 2018.



HMIYMINNVRAM1



HMIYMINSL24851



HMIYMINCAN1



+



+



HMIYMINIO1



HMIYMIN4GUS1

Separate components (continued)

Description	Details	Compatible with Magelis HMIP			Reference	Weight kg/lb
		Optimized	Performance	Enclosed Performance		
		HMIPSO	HMIPSP	HMIPEP		
Accessories						
USB key blank for iPC recovery	Spare USB memory key blank (1)	All models			HMIYUSBBK111	—
Maintenance kit for HMIPSP PCs	Includes: ■ Screws and dampers for HDD/SSD ■ Screws and clamps for panel mounting ■ Power connector and sticker ■ CFast card pull-out ■ Rubbers for W15" and W19" mounting ■ Bracket, screws, and dampers for Mini PCIe	—	Yes		HMIYPMKTPSP1	—
Maintenance kit for HMIPSO PCs	Includes: ■ Screws and dampers for HDD/SSD ■ Screws and clamps for panel mounting ■ Power connector and sticker ■ CFast card pull-out ■ Rubbers for W10" and W15" mounting ■ Bracket, screws, and dampers for Mini PCIe	Yes	—		HMIYPMKTSPSO1	—
Removable protective sheet	Set of 5 protective sheets for W10"	Yes	—		HMIYP552PS11	—
	Set of 5 protective sheets for W15"	Yes	—		HMIYP752PS11	—
	Set of 5 protective sheets for W19"	—	Yes		HMIYP952PS11	—
AC/DC power adapter 110/220 V ~ to 24 V ---	AC/DC power adapter, provided with US and European power cord	—	Yes	—	HMIYPSPMAC1	—
AC/DC power adapter 110/220 V ~ to 24 V ---	External AC power adapter which can be mounted on the rear side of HMIPSO, provided with US and European power cord	Yes	—		HMIYPSOMAC1	—
M12 connectors	Set of 5 M12 connectors for Enclosed Panel PC	—		Yes	HMIYEM1211	—
M12 cables	Set of 5 cables with M12 connectors	—		Yes	HMIYCABM1211	—
Expansion kit	Optional expansion kit offering 1 slot for storage drive HDD/SSD and 1 mini PCIe slot with 1 optional interface plate	Yes	—		HMIYPADPSOSTO1	—
VESA mounting kit	VESA mounting kit for HMIPSO W10"	Yes	—		HMIYPVESAPSO551	—
	VESA mounting kit for HMIPSO W15"	Yes	—		HMIYPVESAPSO751	—
Software (2)						
Vijeo XD Run Time license	Converts the 21-day trial version of Vijeo XD Run Time Demo to an unlimited license	All models that support Vijeo XD HMI software			HMIRTM CZLSPMZZ	—
Vijeo Connect	For HMI secure remote access	All models that support Vijeo Connect			VJOCNT (3)	—

(1) USB key including restore image for recovery is supplied with each unit. The spare blank key is only necessary if the default key supplied with the unit is lost.

(2) Vijeo XL available with Configured-to-Order (see page 2/23).

(3) For Vijeo Connect references, please refer to page 7/3.

Configured-To-Order Magelis HMIP S-Panel PC

"Configured-To-Order" industrial PCs offer a vast number of configuration combinations for Magelis iPCs with certifications. The Schneider Electric Customer Care Center can help you configure the right Magelis iPC based on your automation application and provide a quotation. A web configurator <http://www.hmisource.com/wwipcc> is also available to help you easily build the configuration (password = Magelis).

Our Customer Care Center or the Web configurator will provide the complete parts list for the configured Magelis S-Panel PC and a configuration code that will be the part number of the Magelis iPC.

Ordering procedure for a configured Magelis Panel PC

If you have built your Magelis iPC configuration with the Web configurator:

- 1 Please forward the e-mail received from the Web configurator to our Customer Care Center. This e-mail contains a PDF file with your configuration description, and part number code.
- 2 If required, specify the reference root part number GCR_HMiPCCP2.

If you cannot access the Magelis iPC Web configurator:

- 3 Please contact our Customer Care Center and state the reference root part number GCR_HMiPCCP2.
- 4 Configure your Magelis Panel PC (see table below) and get your quote with the support of our Customer Care Center.
- 5 Confirm your order.

Configured-To-Order options for Magelis HMIPSO/HMIPSP/HMIPEP Panel PCs

Option	Description
Panel PC	S-Panel PC Optimized DC 4 GB RAM W10" - WXGA
	S-Panel PC Optimized DC 4 GB RAM W15" - FWXGA
	S-Panel PC Performance DC 8 GB RAM W15" - WHD
	S-Panel PC Performance DC 8 GB RAM W19" - WHD
	Enclosed Panel PC Performance DC 8 GB RAM W19" - FWXGA
Fanless ULV CPU	Performance Core i3-4010U dual-core Optimized Atom-E3827 dual-core
Power supply	DC (1)
Windows operating system	None
	WES7 Premium SP1 (64-bit Multi-language)
	Win7 Ultimate FES SP1 (64-bit Multi-language)
	Win 8.1 Industry (64-bit Multi-language)
	Windows 10 IoT Enterprise (64-bit Multi-language)
Main storage device for operating system	None
	CFast 32 GB
	HDD 500 GB/1 TB
	SSD 80 GB/180 GB/240 GB
Optional interfaces (pre-mounted)	None
	NVRAM
	2 RS-422/485 Isolated/4 RS-422/485
	2 RS-232 Isolated/4 RS-232
	16 DI/8 DO
	Audio
	Video (DVI-D and VGA ports)
	Cellular 3G/4G
	Wireless LAN + 2 antennas
	2 CANopen/CAN bus
	Profibus DP Master with NVRAM
Software bundle	None
	Vijeo XD Run Time unlimited license
	Vijeo XL 1500 tags Run Time license
	Vijeo XL 4000 tags Run Time license
	Vijeo XL 64000 tags Run Time license

Equivalent product table

Legacy Magelis iPC		Replaced by Magelis iPC		Compatibility	
Description	Reference	Description	Reference	Cut-out for flush mounting	Screen definition
Magelis Panel PC		Magelis HMIP S-Panel PC			
Magelis Optimum 15" Panel PC, CFast card, 24 V ---	HMIPVC7D0E01	Magelis Optimized W15" S-Panel PC with aluminium bezel, CFast card, WES 7 Premium SP1, Multi-touch, 24 V ---	HMIPSOC752D1W01		
Magelis Optimum 15" Panel PC, CFast card, 24 V ---	HMIPWC7D0E01				
Magelis Optimum 10" Panel PC, CFast card, WES 2009, 24 V ---	HMIPWC5D0E01A	Magelis Optimized W10" S-Panel PC with aluminium bezel, CFast card, WES 7 Premium SP1, Multi-touch, 24 V ---	HMIPSOC552D1W01		
Magelis Optimum 10" Panel PC, CFast card, WES 2009, 24 V ---	HMIPWC5D0E01				
		Cut-out and screen definition	Identical Different		

(1) AC power supply with external AC/DC power adapter HMIYPSPMAC1.

Industrial PCs
Magelis iPCs for automation
Magelis HMIP Panel PC
Universal and Performance - 12" touch screen

Type of Magelis iPC		Magelis HMIPU Universal Panel PC - 12" touch screen	
Industrial environments		Maintenance-free (with aluminum bezel)	
			
Fanless		★★★★★	★★★★★
Non-rotating storage drive		★★★★★	★★★★★
Screen	Type	12" LCD TFT LED touch screen	
	Definition	XGA, 1024 × 768 pixels, 16 million colors	
	Degree of protection	IP-65 and Nema 4X indoor front panel protection when mounted on panel or enclosure door	
	Front panel bezel material	Aluminum	
CPU (1)	Processor	Intel Core 827E low power	
	Fan	—	
	Default storage (user-removable)	CFast card ≥ 4 GB (SLC technology)	SSD flash disk ≥ 60 GB with 2 million hours MTBF
	Storage slots (user-accessible)	1 CFast + 1 Slide-in compact	
	RAM (16 GB max. in 2 slots)	2 GB in 1 slot, user-extendable (1)	
	Slot expansion module	To be added by user (1)	
	Integrated DVD-RW drive	To be added by user (1)	
	Integrated ports	2 Ethernet 10/100/1,000 Mbps	
		1 USB 2.0 (0.5 A) on the front panel + 4 USB 3.0 (1 A) at the bottom	
		2 RS-232C	
		2 user-accessible interface module slots (1)	
		—	
Operating system		Windows® Embedded Standard 2009	Windows 7 Ultimate 64-bit
Overall dimensions (W x H x D)/Cut-out (W x H)		313 × 239 × 60 mm/302 × 228 mm (12.32 × 9.41 × 2.36 in./11.89 × 8.98 in.)	
Temperature	During operation	0...50 °C / 32...122 °F, conforming to IEC 61132-2, UL 508	
Vibration resistance during operation	Continuous	1.75 mm/0.07 in. amplitude from 2...9 Hz, 0.5 g from 9...200 Hz (conforming to IEC 60068-2-6 Fc)	
	Non-continuous	3.5 mm/0.14 in. amplitude from 2...9 Hz, 1 g from 9...200 Hz (conforming to IEC 60068-2-6 Fc)	
	Merchant navy IACS E10	1 mm/0.04 in. amplitude from 3...13.2 Hz, 0.7 g from 13.2...100 Hz, 90 minutes endurance	
Shock resistance	During operation	15 g/11 ms conforming to IEC 60068-2-27 test Ea	
Standards and certifications		CE, cULus (UL 508, CSA 22.2 No. 142), cULus Haz Loc Class I Div 2 (ANSI/ISA 12.12.01, UL 1604, CSA 22.2 No. 213), C-Tick, GOST	
Software		□ Vijeo Designer RT Demo 21-day trial version. Unlimited license, to be ordered separately (VJDSNRTMPC); requires additional SRAM interface HMIYPINSRAM61 (1). □ Vijeo XD RT Demo to be installed and activated by unlimited license HMIRTM CZLSPMZZ.	
References of aluminum bezel versions	24 V ~	HMIPUC6D0E01	HMIPUF6D0701
	100...240 V ~	HMIPUC6A0E01	HMIPUF6A0701
Page		2/29	
Configured-To-Order		See configured Magelis Panel PC on page 2/31	

(1) Other options (backup battery interface, 3rd RS-232/422/485 port, SRAM, PCI/Express slots, extended RAM, etc.) to be installed by user or selected in Configured-To-Order version (see page 2/31).
(2) Half-size PCI 2.2 32-bit and half-size PCI Express 1.0 (8x) 2 GB/s.
(3) Conforming to IEC 60068-2-6 Fc.
(4) For DC, the AC module can be removed by the user.

Magelis HMIPU Universal Panel PC - 12" touch screen		Magelis HMIPP Performance Panel PC - 12" touch screen	
Standard (with aluminum bezel)		Maintenance-free (with aluminum bezel)	Standard (with aluminum bezel)
			
★★★★★		★★★★★	—
—		★★★★★	—
		12" LCD TFT LED touch screen	
		XGA, 1024 × 768 pixels, 16 million colors	
		IP65 and Nema 4X indoor front panel protection when mounted on panel or enclosure door	
		Aluminum	
Intel Core 827E low power		Intel Core i3-3217UE dual-core low power	
1 (user exchangeable)	—	1 (user exchangeable)	
Hard disk Enterprise 24/7 ≥ 500 GB	—	SSD flash disk ≥ 60 GB with 2 million hours MTBF	Hard disk Enterprise 24/7 ≥ 500 GB
1 CFast + 1 Slide-in compact	—	1 CFast + 1 Slide-in compact + 1 slide-in (of Slot expansion module)	
2 GB in 1 slot, user extendable (1)	—	4 GB in 1 slot, user extendable (1)	
To be added by user (1)	—	1 PCI + 1 Express® + 1 slide-in (Slot expansion module removable by user) (2)	
To be added by user (1)	—	1 (in slide-in of Slot expansion module)	
2 Ethernet 10/100/1,000 Mbps	—		
1 USB 2.0 (0.5 A) on the front panel + 4 USB 3.0 (1 A) at the bottom	—		
2 RS-232C	—		
2 user-accessible interface module slots (1)	—		
—	Requires 2 HDD (1 for slide compact and 1 for slide-in of the expansion slots module)		
Windows 7 Ultimate 64-bit			
313 × 239 × 60 mm/302 × 228 mm (12.32 × 9.41 × 2.36 in./11.89 × 8.98 in.)	313 × 239 × 135 mm/302 × 228 mm (12.32 × 9.41 × 5.31 in./11.89 × 8.98 in.)		
0...50 °C / 32...122 °F, conforming to IEC 61132-2, UL 508			
0.125 g from 5...100 Hz	1.75 mm / 0.07 in. from 2...9 Hz (3), 0.5 g from 9...200 Hz (2)	0.125 g from 5...100 Hz	
0.250 g from 5...100 Hz	3.5 mm / 0.14 in. from 2...9 Hz, 1 g from 9...200 Hz (2)	0.250 g from 5...100 Hz	
—			
15 g/11 ms conforming to IEC 60068-2-27 test Ea			
CE, cULus (UL 508, CSA 22.2 No. 142), cULus Haz Loc Class I Div 2 (ANSI/ISA 12.12.01, UL 1604, CSA 22.2 No. 213), C-Tick, GOST			
□ Vijeo Designer RT Demo 21-day trial version and Unlimited license, to be ordered separately (VJDSNRTMPC); requires additional SRAM interface HMIYPINSRAM61 (1). □ Vijeo XD RT Demo to be installed and activated by unlimited license HMIRTM CZLSPMZZ.			
HMIPUH6D0701	User-removable AC module (4)	User-removable AC module (4)	
HMIPUH6A0701	HMIPPF6A2701	HMIPPH6A2701	
2/29			
See configured Magelis Panel PC on page 2/31			

Industrial PCs

Magelis iPCs for automation

Magelis HMIP Panel PC

HMIPU Universal and HMIPP Performance - 12" touch screens

2



12" Magelis Universal Panel PC



12" Magelis Performance Panel PC

Presentation

Magelis HMIP Universal and Performance Panel PCs are 12" touch screen products that are industrial graded and certified for automation applications. They are suitable for various uses in the following environments:

- Maintenance-free
- Harsh
- Standard

The ultra-modular design of 12" Panel PCs allows users to adapt the unit configuration. Main options such as a battery backup interface, third RS-232/422/485 ports, SRAM, PCI/PCI Express® slots, expanded RAM, fan if any, and AC power module are all user-accessible.

This modularity provides a complete and coherent offer. In addition, Magelis Panel PCs can be Configured-To-Order (see page 2/31) or adapted by the user according to their present and future requirements.

HMIPs are equipped with powerful Intel Core CPUs that have extended graphic capabilities. When combined with aluminum die-cast housing technology, these low-power consumption CPUs improve heat dissipation and enable fanless operations.

Overview of the offer

Magelis HMIPU Universal

Magelis HMIPU Panel PCs, with 6 references, are equipped with:

- Low-power Intel Core 827E
- User-expandable DDR3 RAM
- 24 V $\overline{\text{---}}$ or 100...240 V $\sim$ power supply pre-mounted module
- No default PCI/PCIe slots, but an expansion slot can be mounted by the user

This range is designed for the following environments:

- Maintenance-free environment (fanless, with non-rotating storage drive):
 - **HMIPUC6D0E01** and **HMIPUC6A0E02**:
 - CFast card/Windows Embedded Standard 2009
 - **HMIPUF6D0701** and **HMIPUF6A0701**:
 - SSD flash disk/Windows 7 Ultimate 64-bit
- Standard industrial environment (with hard disk):
 - **HMIPUH6D0701** and **HMIPUH6A0701**:
 - Hard disk/Windows 7 Ultimate 64-bit

Magelis HMIPP Performance

Magelis HMIPP Panel PCs, with 2 references, are equipped with:

- Low-power Intel Core i3-3217UE
- User-expandable DDR3 RAM
- DVD-RW
- 100...240 V $\sim$ power supply module pre-mounted (user-removable access to 24 V $\overline{\text{---}}$ power supply)

This range is designed for the following environments:

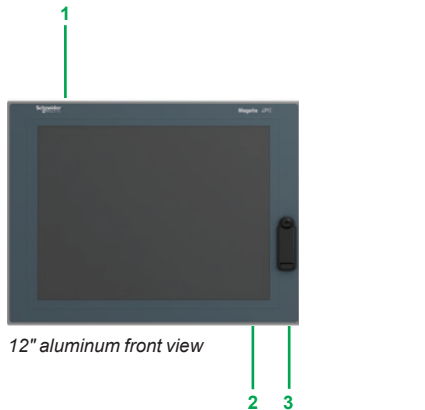
- Maintenance-free environment (fanless, with non-rotating storage drive):
 - **HMIPPF6A2701**:
 - 1 PCI + 1 PCIe (half-size PCI 2.2 32-bit + half-size PCIe 1.0 (x8) 2 Gbps)
 - SSD flash disk/Windows 7 Ultimate 64-bit
- Standard industrial environment (with hard disk):
 - **HMIPPH6A2701**:
 - 1 PCI + 1 PCIe (half-size PCI 2.2 32-bit + half-size PCIe 1.0 (x8) 2 Gbps)
 - Hard disk/Windows 7 Ultimate 64-bit

Configured-to-order Magelis HMIP Universal and Performance Panel PCs

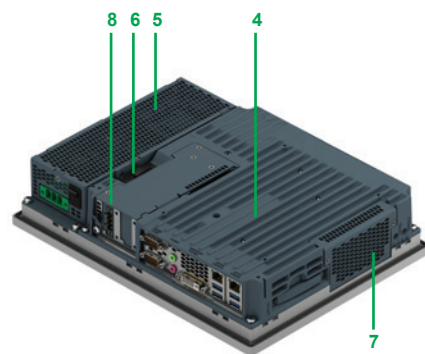
On Magelis HMIP Universal and Performance bases, you can configure the units by selecting the following:

- capacity of CFast cards, SSD flash disk and RAM
- number of PCI and PCI Express slots
- operating system and dedicated HMI software
- additional options: internal RAID with 2 redundant hard disks, battery backup interface, power supply module, third RS-485 port

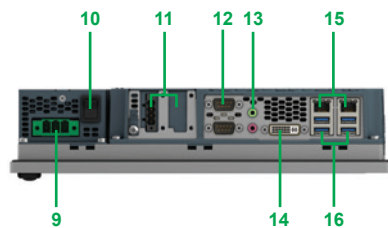
For more information on the HMIPCC offer, see page 2/31.



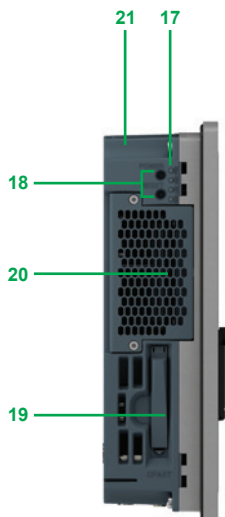
12" aluminum front view



Rear view



Underside view



Side view

Description

Magelis HMIP Universal and Performance (aluminum bezel)

Front view

- 1 12" LCD TFT LED touch screen, XGA 1024 × 768, 16 million colors for **HMIP●●●6●●●●●●**:
 - Brightness: 500 cd/m² (stepless adjustable)
 - Type of touch panel: analog resistive film, 12-bit resolution
 - Typical viewing angle: 80° (vertically)/80° (horizontally)
 - LED life span > 50,000 hrs at 25 °C/77 °F
- 2 Aluminum alloy front panel providing IP65 and Nema 4X indoor front panel protection when mounted on a panel or an enclosure door:
 - Mounted on 1.6...9 mm/0.06...0.34 in. thick support using supplied screw fasteners (1)
- 3 USB 2.0 port (0.5 A max.) with screw-on captive protective cover

Magelis HMIP Universal and Performance without expansion slot module

Rear view

- 4 Aluminum die-cast housing for improved heat dissipation. This technology, combined with low-power 3rd generation Core CPUs, allows fanless operation with static drive in temperatures of up to 50 °C/122 °F (1)
- 5 AC power module **HMIYPMAC61** (100...240 V ~, 45/65 Hz, 0.6...2 A) pre-mounted on Panel PC 12" **HMI●●●6A●●●** and user-removable, or direct access to DC power connector for **HMI●●●6D●●●** (24 V ~ ±1-25 %, 130 W max.) (2)
- 6 User access to internal battery for backing up real-time clock (RTC) and BIOS settings
- 7 User access to 2 × DDR3 RAM slots and slide-in compact slot for storage drive
- 8 User access to mount interface modules and expansion modules **HMIPCI●●●** (3)

Underside view

- 9 Connector for AC power module **HMIYPMAC61** (100...240 V ~, 45/65 Hz, 0.6...2 A) pre-mounted on Panel PC 12" **HMI●●●6A●●●** and user-removable, or direct access to DC power connector
- 10 On/Off switch for AC power module **HMIYPMAC61** pre-mounted on Panel PC 12" **HMI●●●6A●●●**
- 11 2 slots for interface modules with following restrictions:

Panel PC	Reference	Slot 1	Slot 2
UPS interface module (3)	HMIYPUISINT61	X	–
SRAM interface module (3)	HMIYPIINSRAM61	–	X
RS-232/422/485 interface module (3)	HMIYPIINSL61	X	X

- 12 2 RS-232C ports
- 13 Micro input, line input/line output
- 14 DVI port - RGB connection with adapter (**HMIYADDVIRGB11**) (3)
- 15 2 Ethernet 10/100/1,000 Mbps ports
- 16 4 USB 3.0 ports (1 A max.)

Side view

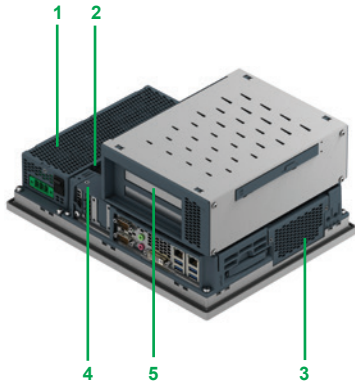
- 17 4 status and power supply LEDs
- 18 2 pushbuttons: 1 power supply and 1 reset
- 19 Slot for CFast card:
 - With CFast card ≥ 4 GB (Panel PC **HMIPUC●D0E01**)
 - Free slot (Panel PC **HMIP●●●F6●0●●1**, **HMIP●H6●●0●●1**)
- 20 User access to 2 DDR3 RAM slots that are expandable up to 16 GB and the slide-in compact slot for storage drive:
 - With 2 GB RAM in 1 slot (Panel PC **HMIPUC6●0E01**). Free slide-in compact slot can be used directly for an additional SSD flash disk, SSD hard disk, or with adapter (**HMIYADCFast61**) (3) for a second CFast card
 - With 2 GB RAM in 1 slot + SSD flash disk ≥ 60 GB with 2 million hours MTBF (Panel PC **HMIPUF6●0701**)
 - With 2 GB RAM in 1 slot + hard disk ≥ 500 GB (Panel PC **HMIPUF6●0701**)
- 21 User access to fan (Panel PC **HMIP●H6●●●●●●**) (4) or natural convection (Panel PC **HMIP●C6●●●●●●** and **HMIP●F6●●●●●●**)

(1) For installation, please refer to product datasheets of respective product references in our website www.schneider-electric.com.

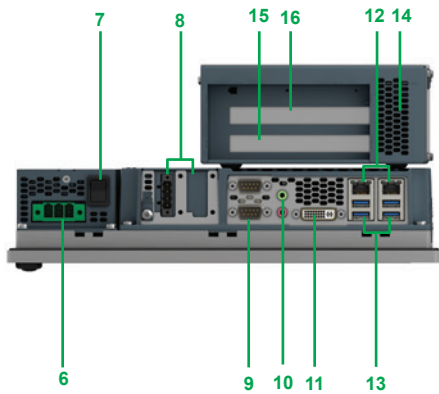
(2) Consumption excluding additional PCI/PCI Express card.

(3) To be ordered separately as an accessory (see pages 2/30).

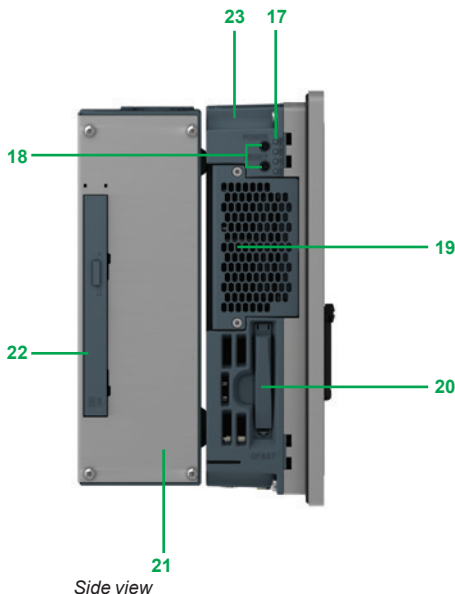
(4) User can add or replace fan, with fan kit **HMIYPFKT061** (to be ordered separately, see page 2/30).



Rear view



Underside view



Side view

Description (continued)

Magelis HMIP Universal and Performance with expansion slot module

Rear view

- 1 AC power module **HMIYPMAC61** (100...240 V ~, 45/65 Hz, 0.6...2 A) pre-mounted on Panel PC 12" **HMI...6A...** and user-removable, or direct access to DC power connector (24 V $\pm$ +/-25 %, 130 W max.) (2)
- 2 User access to internal battery for backing up real-time clock (RTC) and BIOS settings
- 3 User access to 2x DDR3 RAM slots and the slide-in compact slot for storage drive
- 4 User access to interface module slots
- 5 Expansion slot module pre-mounted on Panel PC **HMIPP...6...2...**

Underside view

- 6 Connector for AC power module **HMIYPMAC61** (100...240 V ~, 45/65 Hz, 0.6...2 A) pre-mounted on Panel PC 12" **HMI...6A...**, or direct access to DC power connector
- 7 On/Off switch for AC power module **HMIYPMAC61** pre-mounted on Panel PC 12" **HMI...6A...**
- 8 2 slots for interface modules with following restrictions:

Panel PC	Reference Number	Slot 1	Slot 2
UPS interface module (3)	HMIYPUISINT61	X	—
SRAM interface module (3)	HMIYPINSRAM61	—	X
RS-232/422/485 interface module (3)	HMIYPINSL61	X	X

- 9 2 RS-232C ports
- 10 Micro input, line input/line output
- 11 DVI port - RGB connection with adapter (**HMIYADSVIRGB11**) (3)
- 12 2 Ethernet 10/100/1,000 Mbps ports
- 13 4 USB 3.0 ports (1 A max.)
- 14 Expansion slot module (Panel PC **HMIPP...6A2701**)
- 15 Slot for half-size PCI Express 1.0 (x8) 2 Gbps
- 16 Slot for half-size PCI 2.2 32-bit

Side view

- 17 4 status and power supply LEDs
- 18 2 pushbuttons: 1 power supply and 1 reset
- 19 User access to 2x DDR3 RAM slots that are expandable up to 16 GB and slide-in compact slot for storage drive:
 - with 4 GB RAM in 1 slot + hard disk $\geq$ 500 GB (Panel PC **HMIPPF6A2701**)
 - with 4 GB RAM in 1 slot + SSD flash disk $\geq$ 60 GB with 2 million hours MTBF (Panel PC **HMIPPH6A2701**)
- 20 Slot for CFast card:
 - Free slot (Panel PC **HMIPP...6...2...1**)
- 21 Expansion slots module (Panel PC **HMIPP...6A2701**)
- 22 Slide-in slot with the DVD-RW drive included (4). This can be used for an additional storage disk with adapter (**HMIYADSLIDEIN61**) (3)
- 23 User access to fan (Panel PC **HMIP...H6...**) (5) or natural convection (Panel PC **HMIP...C6...** and **HMIP...F6...**)

(1) For installation, please refer to the "User Manual" on our website www.schneider-electric.com/HMI/IndustrialPCandDisplay.

(2) Consumption excluding additional PCI/PCI Express card.

(3) To be ordered separately as an accessory (see page 2/30).

(4) Operating temperature details available on our website www.schneider-electric.com/HMI/IndustrialPCandDisplay.

(5) User can add or replace fan, with fan kit **HMIYPFKT061** (to be ordered separately, see page 2/30).

(6) SRAM interface modules must be installed to run Vijeo Designer RT software.

Industrial PCs

Magelis iPCs for automation

Magelis HMIP Panel PC

HMIPU Universal and HMIPP Performance - 12" touch screens

PF512475

HMIPU6A0001
(front view)

PF512476

HMIPU6A0001
(rear view)

PF512477

HMIPP6A2701
(front view)

PF512478

HMIPP6A2701
(rear view)

Magelis HMIPU Universal: 12" LCD TFT LED touch screen (1) (2)

Intel Core 827E low power

Supply voltage (6) PCI slot	Operating system	Software	Storage	DDR3 RAM (3)	Reference	Weight kg/lb
For maintenance-free environment						
24 V $\overline{\text{---}}$ No PCI slot	Windows Embedded Standard 2009 (4)	Vijeo Designer RT Demo (5)	CFast card ≥ 4 GB	2 GB in 1 slot	HMIPUC6D0E01	4.000/ 8.818
240 V $\sim$ No PCI slot	Windows Embedded Standard 2009 (4)	Vijeo Designer RT Demo (5)	CFast card ≥ 4 GB	2 GB in 1 slot	HMIPUC6A0E01	4.000/ 8.818

24 V $\overline{\text{---}}$ No PCI slot	Windows 7 Ultimate 64-bit	Vijeo Designer RT Demo (5)	SSD flash disk ≥ 60 GB with 2 million hours MTBF	2 GB in 1 slot	HMIPUF6D0701	4.000/ 8.818
240 V $\sim$ No PCI slot	Windows 7 Ultimate 64-bit	Vijeo Designer RT Demo (5)	SSD flash disk ≥ 60 GB with 2 million hours MTBF	2 GB in 1 slot	HMIPUF6A0701	4.000/ 8.818

For standard industrial environment

24 V $\overline{\text{---}}$ No PCI slot	Windows 7 Ultimate 64-bit	Vijeo Designer RT Demo (5)	Hard disk Enterprise 24/7 ≥ 500 GB	2 GB in 1 slot	HMIPUH6D0701	4.000/ 8.818
240 V $\sim$ No PCI slot	Windows 7 Ultimate 64-bit	Vijeo Designer RT Demo (5)	Hard disk Enterprise 24/7 ≥ 500 GB	2 GB in 1 slot	HMIPUH6A0701	4.000/ 8.818

Magelis HMIPP Performance: 12" LCD TFT LED touch screen (1) (2)

Intel i3 iCore 3217UE dual-core low-power

Supply voltage (6) PCI slot	Operating system	Software	Storage	DDR3 RAM (3)	Reference	Weight kg/lb
For maintenance-free environment						
240 V $\sim$ 2 PCI/ PCI Express slots	Windows 7 Ultimate 64-bit	Vijeo Designer RT Demo (5)	SSD flash disk ≥ 60 GB with 2 million hours MTBF	4 GB in 1 slot	HMIPPF6A2701	4.200/ 9.259
For standard industrial environment						
240 V $\sim$ 2 PCI/ PCI Express slots	Windows 7 Ultimate 64-bit	Vijeo Designer RT Demo (5)	Hard disk Enterprise 24/7 ≥ 500 GB	4 GB in 1 slot	HMIPPH6A2701	4.200/ 9.259

(1) 12" touch screen: XGA 1024 × 768, 16 million colors, IP65 and Nema 4X indoor front panel protection when mounted on panel or an enclosure door.

(2) For separate components and software, see page 2/30.

(3) Memory capacity user-expandable up to 16 GB in 2 slots.

(4) Windows Embedded Standard 2009 supplied in 9 languages (English, French, German, Italian, Portuguese, Spanish, Swedish, Chinese, Russian). Also includes:

- Acrobat Reader; Word/Excel/PowerPoint Viewer
- Framework .Net 3.5
- Web browser
- Citect SCADA Web Client
- Vijeo Designer RT Demo (5)

(5) Vijeo Designer RT (Run Time) Demo (21-day trial version). Unlimited license, to be ordered separately (VJDSNRTMPC); requires additional SRAM interface HMIYPINSRAM61 (see page 2/30). Vijeo XD RT Demo to be installed and activated with an unlimited license HMIRTMCLSPMZZ.

(6) AC models come with a removable AC to DC power module and the user can also mount additional AC power module HMIYPMAC61 in DC models (see page 2/30).

Separate components

Description	Details	Compatible with Magelis HMIP ranges		Reference	Weight kg/lb
		HMIPU Universal	HMIPP Performance		
Hard disk drive	500 GB, blank	All models		HMIYHDD50061	—
SSD flash disk with 2 million hours MTBF	60 GB, blank	All models		HMIYSSD06061	—
	128 GB, blank	All models		HMIYSSD18061	—
	240 GB MLC (5-year warranty and 2 million hours MTBF)	All models		HMIYSSDS240S1	—
CFast card (SLC technology)	4 GB, blank	All models		HMIYCFA04	—
	8 GB, blank	All models		HMIYCFA08	—
	16 GB, blank	All models		HMIYCFA16	—
DVD-RW drive for slide-in slot (1)	CD-RW and DVD-RW reader/writer	All models		HMIYDRDVDRW61	—
DDR3 RAM expansion	2 GB for 1 slot	All models		HMIYPRAM302061	—
	4 GB for 1 slot	All models		HMIYPRAM304061	—
	8 GB for 1 slot	All models		HMIYPRAM308061	—
Interface module	Additional serial link RS-232/422/485	All models		HMIYPINSL61	—
	SRAM for Vijeo Designer	All models		HMIYPINSRAM61	—
	Battery backup interface	All models		HMIYPUPSINT61	—
Backup power supply kit	Provides an uninterruptible power supply. Includes: ■ 1 backup battery ■ 1 × 3 m/9.842 ft cordset	All models (requires battery backup interface HMIYPUPSINT61)		HMIYUPSKT61	—
Slide-in adapter for storage disk (2)	To insert a hard disk, an SSD flash disk, or a CFast card with adapter, in a slide-in slot	All models		HMIYADSLIDEIN61	—
Slide-in compact adapter for CFast card(2)	To insert a CFast card in a slide-in compact slot	All models		HMIYADCFAST61	—
Expansion slot modules	Module with 1 PCI + 1 slide-in slots	All models		HMIYPCI161	—
	Module with 1 PCI Express + 1 slide-in slots	All models		HMIYPCIC61	—
	Module with 1 PCI + 1 PCI Express + 1 slide-in slots	All models		HMIYPCI261	—
	Module with 2 PCI + 1 slide-in slots	All models		HMIYPCIA61	—
AC to DC power supply module	To replace or add an AC power module	All models		HMIYPMAC61	—
Maintenance kit for HMIP includes:	1 × 3-way removable connector for 24 V ~ power supply	All models		HMIYPMKT61	—
	1 × 3-way removable connector for 100...240 V ~ power supply				
	18 screw fasteners				
	2 front USB port caps				
	5 fan filters				
Fan kit for HMIP	To replace or add a fan	All models		HMIYPFKT061	—
Screen protection	5 sheets of protective film for 12" screen	All models		MPCYK20SPSKIT	—
DVI/VGA RGB adapter	For connecting an RGB screen to the integrated DVI port	All models		HMIYADDVIRGB11	—
Cable for DVI	Extra long (10 m/3.28 ft)	All models		HMIYCABDVI1011	—

Software

Vijeo Designer RT license for 1 workstation	Converts the 21-day trial version of Vijeo Designer RT Demo to an unlimited license	All models		VJDSNRTMPC	—
License extension Intelligent Data Service for Vijeo Designer RT for 1 workstation	Used to track the process variables and all operator actions, and offers visibility of the key process values	All models (requires storage capacity ≥ 4 GB)		VJDSNTRCKV60M	—

(1) Operating temperature details are available on our website www.schneider-electric.com/HMI/Industrial_PC_and_Display.

(2) The user has to check that the third-party drives are compliant.

Configured-To-Order Magelis HMIP

With the "Configured-To-Order iPC" service, Schneider Electric offers a vast number of configuration combinations for Magelis iPCs.

This service, available exclusively from our Customer Care Center, allows users to configure a certified product suitable for specific automation applications and environments, based on Magelis Panel PCs.

Our Customer Care Center draws up:

- the complete parts list for the configured Magelis HMIP
- the selling price
- the complete reference (root + code which varies according to the configuration)
- the purchase order

Ordering procedure for a configured Magelis HMIP

- 1 Please contact our Customer Care Center.
- 2 State the reference root; this root will be completed with the variable part of the reference, once configuration is complete. The root varies depending on which Magelis HMIP base is selected:
 - **HMIPCCP** corresponds to a configured Magelis Universal or Performance Panel PC base, with an aluminum front panel
- 3 Configure your Magelis Panel PC (see table below).
- 4 Confirm your order.

References				
Description	Magelis HMIP base		Reference	Weight kg/lb
Configured Magelis HMIP The configuration should be made from the components below. (1)	Reference root to be stated to our Customer Care Center.	Universal and Performance, aluminum front panel bezel	HMIPCCP (2)	—
Description	Available on Magelis HMIP Panel PC base		Reference	Weight kg/lb
	HMIPU Universal	HMIPP Performance		
	Processor Intel Core 827E DDR2 or DDR3 RAM 24 V ~ or 100...240 V ~ power supply	Processor Intel Core i3 DDR3 RAM 24 V ~ or 100...240 V ~ power supply		
LCD TFT LED touch screen 16 million colors	12"		(2)	—
RAM	16 GB max.	6 GB max.		
Peripheral storage devices	CFast card 16 GB max. Up to 2 SSD flash disks ≥ 128 GB with 2 million hours MTBF Up to 2 hard disks ≥ 500 GB (Enterprise 24/7)			
Other peripheral device	DVD-RW drive			
PCI slot configuration	No PCI slot 1 PCI + 1 PCI Express 1 PCI + 1 PCI Express for 2 PCI			
Operating systems	Windows® Embedded Standard 2009 Windows Embedded Standard 7 32-bit Windows XP PRO SP3 Windows 7 Ultimate 32-bit Windows 7 Ultimate 64-bit			
Software	Vijeo Designer RT Citect SCADA (4)			
Assembled options	RAID with 2 redundant hard disks Interface module for backup power supply (3) SRAM interface Additional RS-232C/422/485 serial link interface 2 Ethernet ports			

(1) Please contact our Customer Care Center.

(2) The reference for configured Magelis HMIPs is made up of a root (HMIPCCW, HMIPCCV, HMIPCCP or HMIPCCCT) followed by a variable part generated during configuration.

(3) Required to connect backup power supply kits HMIYUPSKT●1 (see page 2/30).

(4) Citect SCADA DVD is only for installation. Software activation license to be ordered separately.

Magelis HMIBM Modular Box PC and HMIDM Modular Display

Magelis HMIBM Modular Box PC - Universal and Performance

Selection guide page 3/2

■ Presentation

- Overview of the offer
 - Magelis HMIBMU Universal page 3/6
 - Magelis HMIBMP Performance page 3/7
 - Ready-to-run Software, IIoT and cyber security page 3/7

■ Description

- Magelis HMIBMU Universal and Performance, 2 expansion slots page 3/8
- Magelis HMIBMU Universal and Performance, 4 expansion slots page 3/9

■ References

- Magelis HMIBMU Universal page 3/10
- Magelis HMIBMP Performance page 3/11
- Separate components
 - Drives page 3/20
 - Accessories page 3/20
 - Software and Secure remote access page 3/20
 - Interfaces page 3/21
- Configured-To-Order: Magelis HMIBM Modular Box PC and HMIDM Modular Display page 3/22
- Equivalent product table page 3/23

Magelis HMIDM Modular Display for automation

Selection guide page 3/14

■ Presentation

- Overview of the offer
 - Magelis HMIDM Modular Display page 3/16
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■ References

- Magelis HMIDM Modular Displays page 3/17
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Magelis Display Adapter

- Presentation page 3/18
- Architecture page 3/18
- Description page 3/18
- References page 3/19

Industrial PCs
Magelis iPCs for automation
Magelis HMIBM Modular Box PC
HMIBMU Universal Box PC

Type of Magelis iPC		Magelis HMIBMU Universal Modular Box PC	
			
Fanless		★★★★★ (1)	
Mounting	Box PC	Box PC: HMIBM Box wall/book (5)/flat (6) mounting	
	Panel PC	Panel PC: HMIBM Box + associated HMIDM Display	
CPU	Processor		Intel® Celeron® 2980U dual-core (1.6 GHz, low power)
	Mini PCIe expansion slots		2 full-size slots with 2 optional interface slots
	Storage	Main drive	CFAST card ≥ 32 GB
		Slots (9)	SSD ≥ 80 GB (2)
	RAM/MRAM		1 CFAST card slot and 2 HDD/SSD slots (hot-swappable)
	Hot-swap RAID HDD and battery backup		4 GB DDR3 (not extendable)/512 KB non-volatile RAM with 300 KB for user
Optional		Optional	
Cyber security encryption		Connector for TPM 1.2 module (10)	
Operating system		WES 7 Premium SP1 (64-bit)	Windows 10 IoT Enterprise (64-bit Multi-language) (8)
Conformal coating		–	
Supply voltage		18...36 V $\overline{\sim}$ or 100...240 V $\sim$ supply with modular power adapter HMIYMMAC1	
Power consumption		17.8 W typical, 33.6 W max.	
Interface	Ethernet		2 RJ45 Ethernet 10/100/1,000 Mbps
	Serial ports		1 RS-232/422/485 isolated with auto flow control
	USB		2 USB 2.0, 2 USB 3.0
	Video	Interface	2 display ports (1 port is disabled when HMIDM Modular Display is mounted on the front)
		Resolution	Up to 3200 × 2000 at 60 Hz
	Antenna connectors		2 for WLAN antenna, 1 for GPRS antenna
	Watchdog timer		Timer with 255 levels/intervals, programmable, 1...255 s
Reset button and buzzer		Yes	
Overall dimensions (W x H x D)	With 2 slots (2 mini PCIe)		254 × 207 × 65.2 mm/10 × 8.15 × 2.57 in.
	With 4 slots (2 mini PCIe + 2 PCI/PCIe)		254 × 207 × 103.2 mm/10 × 8.15 × 4.06 in.
Temperature	During operation		Conforming to EN/IEC 60068-2-30 for wall/book mounting: 0...55 °C/32...131 °F (5), for flat mounting: 50 °C/122 °F (6)
	During storage		Conforming to IEC 61000-4/ EN 55011: -30...70 °C/-22...158 °F
Vibration resistance		Conforming to IEC 60664-1: 2 g from 5...500 Hz	
Standards and certifications		CE, cULus industrial control (UL 61010-2-201, CSA 22.2 No. 142), cULus HazLoc (ANSI/ISA 12.12.01 and CSA C22.2 No. 213, Class I, Division 2), RCM, CCC, CE ATEX and IECEx HazLoc 3GD Zone 2/22, EAC	
Software, IIoT and Cyber security		Vijeo XD (3)	Vijeo XD (3), Citect SCADA DVD (4)
		Vijeo XL (12), IIoT Monitor with Node-Red and McAfee Whitelisting (7), Vijeo Connect (11)	
References	No PCIe/PCI expansion slots		HMIBMU0I29D2W01
	1 PCIe (x4) + 1 PCI		HMIBMU0I29D4W01
	2 PCI		–
	1 PCIe (x1) + 1 PCIe (x4)		–
Page		3/10	
Configured-To-Order		See configured Magelis Modular Box PC on page 3/22 (8)	

(1) HMIYBFT4BM11 fan kit is required only when PCI/PCIe expansion cards above 3 W are installed.
(2) 5-year Intel warranty and 1.5 million hours MTBF. For high performance, you can preferably use the configuration with 240 GB SSD.
(3) Vijeo XD Run Time demo to be installed and activated by unlimited license HMIRTCZLSPMZZ.
(4) Citect SCADA DVD is only for installation. Software activation license to be ordered separately.
(5) Except with HDD + HMIDM Modular Display or with PCI/PCIe up to 45 °C/158 °F.
(6) Except with HDD, mini PCIe card or PCI/PCIe card mounted which is up to 40 °C/ 104 °F.
(7) IIoT Monitor available in Q4 2017. McAfee Whitelisting in IIoT Monitor requires licence sticker HMIYYMACWLIOT1 to be applied.

Magelis HMIBMU Universal Modular Box PC



★★★★★ (1)

Box PC: HMIBM Box wall/book (5)/flat (6) mounting		
Panel PC: HMIBM Box + associated HMIDM Display		
Intel® Celeron® 2980U dual-core (1.6 GHz, low power)		
2 full-size slots with 2 optional interface slots		
HDD ≥ 500 GB, 24/7 Enterprise	None or Configured-To-Order offer	
1 CFAST card slot and 2 HDD/SSD slots (hot-swappable)		
4 GB DDR3 (not extendable)/512 KB non-volatile RAM with 300 KB for user		8 GB DDR3 (not extendable)/512 KB non-volatile RAM with 300 KB for user
Optional		
Connector for TPM 1.2 module (10)		
Windows 10 IoT Enterprise (64-bit Multi-language) (8)	None or Configured-To-Order offer (8)	
–	Yes	
18...36 V $\overline{\sim}$ or 100...240 V $\sim$ supply with modular power adapter HMIYMMAC1		
17.8 W typical, 33.6 W max.		
2 RJ45 Ethernet 10/100/1,000 Mbps		
1 RS-232/422/485 isolated with auto flow control		
2 USB 2.0, 2 USB 3.0		
2 display ports (1 port is disabled when HMIDM Modular Display is mounted on the front)		
Up to 3200 × 2000 at 60 Hz		
2 for WLAN antenna, 1 for GPRS antenna		
Timer with 255 levels/intervals, programmable, 1...255 s		
Yes		
254 × 207 × 65.2 mm/10 × 8.15 × 2.57 in.		
254 × 207 × 103.2 mm/10 × 8.15 × 4.06 in.		
Conforming to EN/IEC 60068-2-30 for wall/book mounting: 0...55 °C/32...131 °F (5), for flat mounting: 50 °C/122 °F (6)		
Conforming to IEC 61000-4/ EN 55011: -30...70 °C/-22...158 °F		
Conforming to IEC 60664-1: 1 g from 5...500 Hz		
CE, cULus industrial control (UL 61010-2-201, CSA 22.2 No. 142), cULus HazLoc (ANSI/ISA 12.12.01 and CSA C22.2 No. 213, Class I, Division 2), RCM, CCC, CCA, ATEX and IECEx HazLoc 3GD Zone 2/22, EAC		
Vijeo XD (3)	–	
Vijeo XL (12), IIoT Monitor with Node-Red and McAfee Whitelisting (7), Vijeo Connect (11)		
HMIBMU0I29D2801	HMIBMU0I29D2001	HMIBMU0I29D200A
HMIBMU0I29D4801	HMIBMU0I29D4001	HMIBMU0I29D400A
–	–	HMIBMU0I29DI00A
–	–	HMIBMU0I29DE00A

3/10

See configured Magelis Modular Box PC on page 3/22 (8)

(8) Available with pre-installed Windows 8.1 which will be replaced by Windows 10 in Q4 2017. Windows 7 Ultimate SP1 (64-bit Multi-language) and Windows 8.1 Industry (64-bit Multi-language) still available with Configured-To-Order offer.
(9) Free storage slot requires slide-in HMIYMADSD1 to mount HDD/SSD 2.5".
(10) Mother board connector to install HMIYMINATPM201 Cyber Security TPM Module for encryption with Windows bit-locker. Require user downgrade to 1.2 with utility tool provided.
(11) To be installed and activated with subscription.
(12) See Configured-To-Order Magelis Box PC on 3/22.



Industrial PCs
Magelis iPCs for automation
Magelis HMIBM Modular Box PC
HMIBMP Performance Box PC

Type of Magelis iPC			Magelis HMIBMP Performance Modular Box PC		
					
Fanless			★★★★★ (1)		
Mounting	Box PC		Box PC: HMIBM Box wall/book (5)/flat (6) mounting		
	Panel PC		Panel PC: HMIBM Box + associated HMIDM Display		
CPU	Processor		Intel Core i7-4650U (1.7 GHz, low power with turbo boost at 3.3Ghz)		
	Mini PCIe expansion slots		2 full-size slots with 2 optional interface slots		
	Storage	Main drive	SSD ≥ 80 GB (2)		HDD ≥ 500 GB, 24/7 Enterprise
		Slots (6)	1 CFast card slot and 2 HDD/SSD slots (hot-swappable)		
	RAM/MRAM		8 GB DDR3 (not extendable)/512 KB non-volatile RAM with 300 KB for user		
	Hot-swap RAID HDD and battery backup		Optional		
Cyber security encryption			Connector for TPM 1.2 module (10)		
Operating system			Windows 10 IoT Enterprise (64-bit Multi-language) (8)		
Conformal coating			–		
Supply voltage			18...36 V $\overline{\sim}$ or 100...240 V $\overline{\sim}$ supply with modular power adapter HMIYMMAC1		
Power consumption			18.1 W typical, 38.4 W max.		
Interface	Ethernet		2 RJ45 Ethernet 10/100/1,000 Mbps		
	Serial ports		1 RS-232/422/485 isolated with auto flow control		
	USB		2 USB 2.0, 2 USB 3.0		
	Video	Interface	2 display ports (1 port is disabled when HMIDM Modular Display is mounted on the front)		
		Resolution	Up to 3200 × 2000 at 60 Hz		
	Antenna connectors		2 for WLAN antenna, 1 for GPRS antenna		
	Watchdog timer		Timer with 255 levels/intervals, programmable, 1...255 s		
Reset button and buzzer			Yes		
Overall dimensions (W x H x D)	With 2 slots (2 mini PCIe)		254 × 207 × 65.2 mm/10 × 8.15 × 2.57 in.		
	With 4 slots (2 mini PCIe + 2 PCI/PCIe)		254 × 207 × 103.2 mm/10 × 8.15 × 4.06 in.		
Temperature	During operation		Conforming to EN/IEC 60068-2-30: 0...55 °C/32...131 °F (5)		
	During storage		Conforming to IEC 61000-4/ EN 55011: -30...70 °C/-22...158 °F		
Vibration resistance During operation			Conforming to IEC 60664-1: 2 g from 5...500 Hz		
Standards and certifications			CE, cULus industrial control (UL 61010-2-201, CSA 22.2 No. 142), cULus HazLoc (ANSI/ISA 12.12.01 and CSA C22.2 No. 213, Class I, Division 2), CE Atex and IECEx HazLoc 3GD Zone 2/22, Marine DNV (without HDD), RCM, CCC, EAC		
Software, IIoT and Cyber security			Vijeo XD (3)		Vijeo XD (3), Citect SCADA DVD (4)
			Vijeo XL (12), IIoT Monitor with Node-Red and McAfee Whitelisting (7), Vijeo Connect (11)		
References	No PCIe/PCI expansion slots		HMIBMPSI74D2801		HMIBMPHI74D2801
	1 PCIe (x4) + 1 PCI		HMIBMPSI74D480		HMIBMPHI74D4801
	2 PCI		–		–
	1 PCIe (x1) + 1 PCIe (x4)		–		–
Page			3/11		
Configured-To-Order			See configured Magelis Modular Box PC on page 3/22 (8)		

(1) HMIYBFKT4BM11 fan kit is required only when PCI/PCIe expansion cards above 3 W are installed.
(2) 5-year Intel warranty and 1.5 million hours MTBF.
(3) Vijeo XD Run Time Demo to be installed and activated by unlimited license HMIRTM CZLSPMZZ.
(4) Citect SCADA DVD is only for installation. Software activation license to be ordered separately.
(5) Except with HDD + HMIDM Modular Display or with PCI/PCIe up to 45 °C/158 °F.
(6) Except with HDD, mini PCIe card or PCI/PCIe card mounted which is up to 40 °C/ 104 °F.

Magelis HMIBMP Performance Modular Box PC	
	
★★★★★ (1)	
Box PC: HMIBM Box wall/book (5)/flat (6) mounting	
Panel PC: HMIBM Box + associated HMIDM Display	
Intel Core i7-4650U (1.7 GHz, low power with turbo boost at 3.3 GHz)	
2 full-size slots with 2 optional interface slots	
None or Configured-To-Order offer	
1 CFast card slot and 2 HDD/SSD slots (hot-swappable)	
8 GB DDR3 (not extendable)/512 KB non-volatile RAM with 300 KB for user	16 GB DDR3 (not extendable)/512 KB non-volatile RAM with 300 KB for user
Optional	
Connector for TPM 1.2 module (10)	
None or Configured-To-Order offer (8)	
–	Yes
18...36 V $\overline{\sim}$ or 100...240 V $\overline{\sim}$ supply with modular power adapter HMIYMMAC1	
18.1 W typical, 38.4 W max.	
2 RJ45 Ethernet 10/100/1,000 Mbps	
1 RS-232/422/485 isolated with auto flow control	
2 USB 2.0, 2 USB 3.0	
2 display ports (1 port is disabled when HMIDM Modular Display is mounted on the front)	
Up to 3200 × 2000 at 60 Hz	
2 for WLAN antenna, 1 for GPRS antenna	
Timer with 255 levels/intervals, programmable, 1...255 s	
Yes	
254 × 207 × 65.2 mm/10 × 8.15 × 2.57 in.	
254 × 207 × 103.2 mm/10 × 8.15 × 4.06 in.	
Conforming to EN/IEC 60068-2-30: 0...55 °C/32...131 °F (5)	
Conforming to IEC 61000-4/ EN 55011: -30...70 °C/-22...158 °F	
Conforming to IEC 60664-1: 1 g from 5...500 Hz	
CE, cULus industrial control (UL 61010-2-201, CSA 22.2 No. 142), cULus HazLoc (ANSI/ISA 12.12.01 and CSA C22.2 No. 213, Class I, Division 2), CE Atex and IECEx HazLoc 3GD Zone 2/22, Marine DNV (without HDD), RCM, CCC, EAC	
Vijeo XD (3)	–
Vijeo XL (12), IIoT Monitor with Node-Red and McAfee Whitelisting (7), Vijeo Connect (11)	
HMIBMP0I74D2001	HMIBMP0I74D200A
HMIBMP0I74D4001	HMIBMP0I74D400A
–	HMIBMP0I74DI00A
–	HMIBMP0I74DE00A
3/11	
See configured Magelis Modular Box PC on page 3/22 (8)	

(7) IIoT Monitor available in Q4 2017. McAfee Whitelisting in IIoT Monitor requires licence sticker HMIYYMACWLIOT1 to be applied.
(8) Available with pre-installed Windows 8.1 which will be replaced by Windows 10 in Q4 2017. Windows 7 Ultimate SP1 (64-bit Multi-language) and Windows 8.1 Industry (64-bit Multi-language) still available with Configured-To-Order offer.
(9) Free storage slot requires slide-in HMIYMADSDD1 to mount HDD/SSD 2.5".
(10) Mother board connector to install HMIYMINATPM201 Cyber Security TPM Module for encryption with Windows bit-locker. Require user downgrade to 1.2 with utility tool provided.
(11) To be installed and activated with subscription.
(12) See Configured-To-Order Magelis Box PC on 3/22.





Universal Box PC
2 mini PCIe slots



Universal Box PC
2 mini PCIe + 2 PCI/PCIe slots

Presentation

Magelis HMIBM Modular Box PCs support advanced automation applications requiring Windows operating systems, with powerful CPUs, expansion capabilities, high-availability options (RAID HDD, UPS), and advanced certifications. Their modularity means that HMIBM Box PCs can be converted to Panel PCs by combining them with HMIDM Displays. They can be upgraded with IIoT monitor running Node-RED for direct connection to cloud application, with enhanced cyber security optional TPM encryption module.

In addition to the referenced offer, the flexibility offered by the modular design allows Configured-To-Order Magelis Box PC versions (see page 3/22).

Overview of the offer

Magelis HMIBMU Universal

Magelis HMIBMU Universal Box PCs, with 12 references, are equipped with:

- Fanless Intel® Celeron 2980U processor (1.6 GHz) (2)
- 4 GB or 8 GB DDR3 RAM (3)
- 512 KB non-volatile MRAM with 300 KB for user
- Connection ports: 2 USB 3.0, 2 USB 2.0, 1 COM (RS-232, RS-232/422/485), 2 Gigabit Ethernet, and 2 Display ports (1)
- Expansion slots: 2 full-size mini PCIe slots, 0 or 2 full-size PCI/PCIe slots (2)
- Power supply: 24 V $\square$, AC with additional power supply module HMIYMMAC1

The operating systems, storage devices, and expansion slots are:

- With 4 GB DDR3 RAM (3), and 2 full-size mini PCIe slots:
 - **HMIBMU0129D2W01**
 - Operating system: WES 7 Premium SP1 (64-bit Multi-language)
 - Default storage device: 32 GB CFAST card
 - **HMIBMU0129D2801**
 - Operating system: Windows 10 IoT Enterprise (64-bit Multi-language) (4)
 - Default storage device: 80 GB SSD (5-year manufacturer warranty and 1.5 million hours MTBF)
 - **HMIBMU0129D2801**
 - Operating system: Windows 10 IoT Enterprise (64-bit Multi-language) (4)
 - Default storage device: 500 GB HDD (Enterprise 24/7)
 - **HMIBMU0129D2001**
 - Operating system: None
 - Default storage device: None
- With 4 GB DDR3 RAM (3), 2 full-size mini PCIe slots and 1 PCI + 1 PCIe (x4) (2):
 - **HMIBMU0129D4W01**
 - Operating system: WES 7 Premium SP1 (64-bit Multi-language)
 - Default storage device: 32 GB CFAST card
 - **HMIBMU0129D4801**
 - Operating system: Windows 10 IoT Enterprise (64-bit Multi-language) (4)
 - Default storage device: 80 GB SSD (5-year manufacturer warranty and 1.5 million hours MTBF)
 - **HMIBMU0129D4801**
 - Operating system: Windows 10 IoT Enterprise (64-bit Multi-language) (4)
 - Default storage device: 500 GB HDD (Enterprise 24/7)
 - **HMIBMU0129D4001**
 - Operating system: None
 - Default storage device: None
- With 8 GB DDR3 RAM (3), conformal coating, and without operating system/default storage device:
 - **HMIBMU0129D200A**
 - 2 full-size mini PCIe slots
 - **HMIBMU0129D400A**
 - 2 full-size mini PCIe slots, 1 PCI + 1 PCIe (x4) (2)
 - **HMIBMU0129D100A**
 - 2 full-size mini PCIe slots, 2 PCI (2)
 - **HMIBMU0129D00A**
 - 2 full-size mini PCIe slots, 1 PCIe (x1) + 1 PCIe (x4) (2)

(1) When Modular Box PC is mounted on Display, Display port 2 has no function.

(2) HMIYBKT4BM11 fan kit is required only when PCI/PCIe expansion cards above 3 W are installed.

(3) Memory is not user-expandable.

(4) Available with pre-installed Windows 8.1 which will be replaced by Windows 10 in Q4 2017.



Performance Box PC
2 mini PCIe slots



Performance Box PC
2 mini PCIe + 2 PCI/PCIe slots

Presentation (continued)

Overview of the offer (continued)

Magelis HMIBMP Performance

Magelis HMIBMP Performance Box PCs, with 10 references, are equipped with:

- Fanless Intel® Core i7-4650U processor (1.7 GHz) (2)
- 8 GB or 16 GB DDR3 RAM (3)
- 512 KB non-volatile MRAM with 300 KB for user
- Connection ports: 2 USB 3.0, 2 USB 2.0, 1 COM (RS-232, RS-232/422/485), 2 Gigabit Ethernet, and 2 Display ports (1)
- Expansion slots: 2 full-size mini PCIe slots, 0 or 2 full-size PCI/PCIe slots
- Power supply: 24 V $\overline{\text{---}}$, AC with additional power supply module HMIYMMAC1

The operating systems, storage devices, and expansion slots are:

- With 8 GB DDR3 RAM (3), and 2 full-size mini PCIe slots (2):
 - **HMIBMP0I74D2801**
 - Operating system: Windows 10 IoT Enterprise (64-bit Multi-language) (5)
 - Default storage device: 80 GB SSD (5-year manufacturer warranty and 1.5 million hours MTBF)
 - **HMIBMP0I74D2801**
 - Operating system: Windows 10 IoT Enterprise (64-bit Multi-language) (5)
 - Default storage device: 500 GB HDD (Enterprise 24/7)
 - **HMIBMP0I74D2001**
 - Operating system: None
 - Default storage device: None
- With 8 GB DDR3 RAM (3), 2 full-size mini PCIe slots and 1 PCI + 1 PCIe (x4) (2):
 - **HMIBMP0I74D4801**
 - Operating system: Windows 10 IoT Enterprise (64-bit Multi-language) (5)
 - Default storage device: 80 GB SSD (5-year manufacturer warranty and 1.5 million hours MTBF)
 - **HMIBMP0I74D4801**
 - Operating system: Windows 10 IoT Enterprise (64-bit Multi-language) (5)
 - Default storage device: 500 GB HDD (Enterprise 24/7)
 - **HMIBMP0I74D4001:**
 - Operating system: None
 - Default storage device: None
- With 16 GB DDR3 RAM (3), conformal coating, and without operating system and default storage device:
 - **HMIBMP0I74D200A**
 - 2 full-size mini PCIe slots
 - **HMIBMP0I74D400A**
 - 2 full-size mini PCIe slots, 1 PCI + 1 PCIe (x4) (2)
 - **HMIBMP0I74DI00A**
 - 2 full-size mini PCIe slots, 2 PCI (2)
 - **HMIBMP0I74DE00A**
 - 2 full-size mini PCIe slots, 1 PCIe (x1) + 1 PCIe (x4) (2)

Ready-to-run Software, IIoT and cyber security

Magelis HMIBM are supported by Schneider Electric HMI software. For HMI applications, Vijeo XD Run Time demo version can be downloaded and activated to unlimited version with **HMIRTMZLSPMZZ** license. For line management and lite supervision, Vijeo XL Run Time is available via Configured-To-Order process. For more information on Vijeo XD and Vijeo XL, please refer to our website www.schneider-electric.com/HMI Configuration Software.

Citect SCADA software can run on Magelis HMIBM with an SSD disk drive. This software can be installed from the Citect SCADA DVD (4) supplied with Magelis HMIBM (1). For secure remote access, Magelis HMIBM are supported with Vijeo Connect that will have to be installed and activated with subscription.

The mother board of latest Magelis Modular Box PC are equipped with a pin header to install Cyber Security TPM optional module **HMIYMINATPM201** for hardware encryption with Windows bit-locker.

For IIoT connections to cloud applications with PaaS architectures (Platform as a Service), Magelis HMIBM can be upgraded with IIoT monitor running Node-RED. To activate McAfee whitelisting in IIoT Monitor, the license sticker **HMIYMACWLIOT1** is required to be applied.

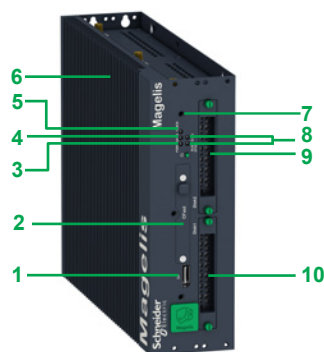
(1) When Modular Box PC is mounted on Display, Display port 2 has no function.

(2) HMIYBFT4BM11 fan kit is required only when PCI/PCIe expansion cards above 3 W are installed.

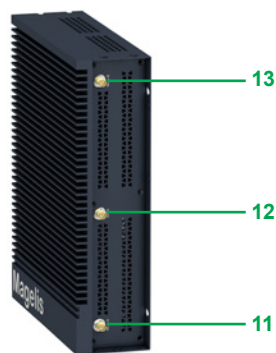
(3) Memory is not user-expandable.

(4) Citect SCADA DVD is only for installation. Software activation license to be ordered separately.

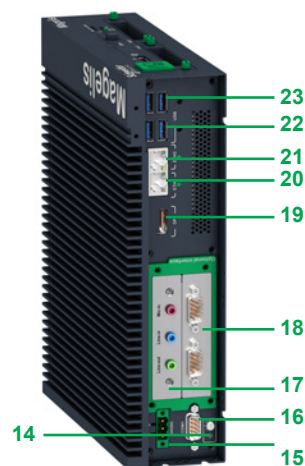
(5) Available with pre-installed Windows 8.1 which will be replaced by Windows 10 in Q4 2017.



Front view of Magelis Modular Box PC, 2 expansion slots



Top view of Magelis Modular Box PC, 2 expansion slots



Underside view of Magelis Modular Box PC, 2 expansion slots

Description

Magelis HMIBMU Universal and Performance, 2 expansion slots

Front view

- 1 Display port 2 (1)
- 2 Slide-in CFast card slot
- 3 Power status indicator (Green: On, Orange: Stand-by, No light: Off)
- 4 SATA status indicator (Green: On (Storage data transmit), Off (No storage data transmit))
- 5 CMOS status indicator (Orange: On (RTC voltage < 3 V ---), Off (RTC voltage > 3 V ---))
- 6 Fanless heat sink
- 7 Power supply/Reset button
- 8 Programmable status indicators (RUN/STOP and ERR LEDs)
- 9 HDD/SSD 2 (hot-swap and can be redundant RAID configuration) (2)
- 10 HDD/SSD 1 (hot-swap and can be redundant RAID configuration) (2)

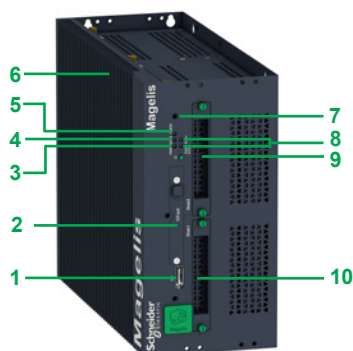
Top view

- 11 SMA connector for wireless LAN external antenna
- 12 SMA connector for GPRS external antenna
- 13 SMA connector for wireless LAN external antenna

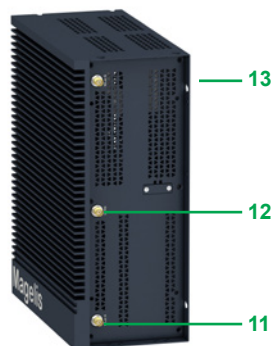
Underside view

- 14 DC power connector
- 15 Ground connection pin
- 16 COM1 port RS-232/422/485 (isolated), can be used for communication with HMIYMUPSKT1 UPS battery
- 17 Optional interface 2 with full-size mini PCIe slot
- 18 Optional interface 1 with full-size mini PCIe slot
- 19 Display port 1
- 20 Eth1 (10/100/1,000 Mbps) IEEE1588
- 21 Eth2 (10/100/1,000 Mbps) IEEE1588
- 22 USB1 and USB2 (USB 3.0)
- 23 USB3 and USB4 (USB 2.0)

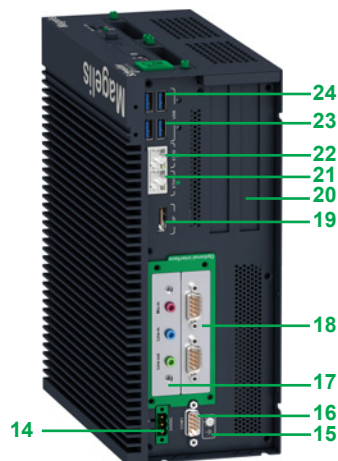
(1) When Modular Box PC is mounted on Display, Display port 2 has no function.
(2) Free storage slot requires slide-in HMIYMADSD1 to mount HDD/SSD 2.5".



Front view of Magelis Modular Box PC, 4 expansion slots



Top view of Magelis Modular Box PC, 4 expansion slots



Underside view of Magelis Modular Box PC, 4 expansion slots

Description

Magelis HMIBMU Universal and Performance, 4 expansion slots

Front view

- 1 Display port 2 (1)
- 2 Slide-in CFast card slot
- 3 Power status indicator (Green: On, Orange: Stand-by, No light: Off)
- 4 SATA status indicator (Green: On (Storage data transmit), Off (No storage data transmit))
- 5 CMOS status indicator (Orange: On (RTC voltage < 3 V ---), Off (RTC voltage > 3 V ---))
- 6 Fanless heat sink
- 7 Power supply/Reset button
- 8 Programmable status indicators (RUN/STOP and ERR LEDs)
- 9 HDD/SSD 2 (hot-swap and can be redundant RAID configuration) (2)
- 10 HDD/SSD 1 (hot-swap and can be redundant RAID configuration) (2)

Top view

- 11 SMA connector for wireless LAN external antenna
- 12 SMA connector for GPRS external antenna
- 13 SMA connector for wireless LAN external antenna

Underside view

- 14 DC power connector
- 15 Ground connection pin
- 16 COM1 port RS-232/422/485 (isolated), can be used for communication with HMIYMUPSKT1 UPS battery
- 17 Optional interface 1 with full-size mini PCIe slot
- 18 Optional interface 2 with full-size mini PCIe slot
- 19 Display port 1
- 20 2 PCI/PCIe slots (3)
- 21 Eth1 (10/100/1,000 Mbps) IEEE1588 (3)
- 22 Eth2 (10/100/1,000 Mbps) IEEE1588 (3)
- 23 USB1 and USB2 (USB 3.0)
- 24 USB3 and USB4 (USB 2.0)

(1) When Modular Box iPC is mounted on Display, Display port 2 has no function.

(2) Free storage slot requires slide-in HMIYMADSD1 to mount HDD/SSD 2.5".

(3) HMIYBKT4BM11 fan kit is required only when PCI/PCIe expansion cards above 3 W are installed.

PF14364DB



HMIBMUSI29D2801

3

PF143643B



HMIBMUCI29D4W01

Magelis HMIBMU Universal**Intel Celeron 2980U 1.6 GHz processor/24 V $\square$ supply voltage (1)**

PCI slot	Operating system	Software	Storage disk	DDR3 RAM (2)	Reference	Weight kg/lb
With 2 expansion slots						
2 mini PCIe, full-size	WES 7 Premium SP1 (64-bit Multi-language)	Vijeo XD RT Demo (3), Vijeo Connect (4), IloT monitor with Node-RED	CFast card $\geq$ 32 GB	4 GB	HMIBMUCI29D2W01	3.100/ 6.800
	Windows 10 IoT Enterprise (64-bit Multi-language) (8)	Vijeo XD RT Demo (3), Vijeo Connect (4), IloT monitor with Node-RED, Citect SCADA DVD (5)	SSD flash disk $\geq$ 80 GB with 1.5 million hours MTBF	4 GB	HMIBMUSI29D2801	3.100/ 6.800
		Vijeo XD RT Demo (3), Vijeo Connect (4), IloT monitor with Node-RED	HDD Enterprise 24/7 $\geq$ 500 GB	4 GB	HMIBMUHI29D2801	3.100/ 6.800
	No	Vijeo Connect (4), IloT monitor with Node-RED	No	4 GB	HMIBMU0I29D2001	3.100/ 6.800
	No		No	8 GB	HMIBMU0I29D200A (7)	3.100/ 6.800
With 4 expansion slots (6)						
2 mini PCIe + 1 PCI + 1 PCIe (x4), full-size	WES 7 Premium SP1 (64-bit Multi-language)	Vijeo XD RT Demo (3), Vijeo Connect (4), IloT monitor with Node-RED	CFast card $\geq$ 32 GB	4 GB	HMIBMUCI29D4W01	3.900/ 8.600
	Windows 10 IoT Enterprise (64-bit Multi-language) (8)	Vijeo XD RT Demo (3), Vijeo Connect (4), IloT monitor with Node-RED, Citect SCADA DVD (5)	SSD flash disk $\geq$ 80 GB with 1.5 million hours MTBF	4 GB	HMIBMUSI29D4801	3.900/ 8.600
		Vijeo Connect (4), IloT monitor with Node-RED, Citect SCADA DVD (5)	HDD Enterprise 24/7 $\geq$ 500 GB	4 GB	HMIBMUHI29D4801	3.900/ 8.600
	No	Vijeo Connect (4), IloT monitor with Node-RED	No	4 GB	HMIBMU0I29D4001	3.900/ 8.600
	No		No	8 GB	HMIBMU0I29D400A	3.900/ 8.600
2 mini PCIe + 2 PCI, full-size	No		No	8 GB	HMIBMU0I29DI00A (7)	3.900/ 8.600
2 mini PCIe + 1 PCIe (x1) + 1 PCIe (x4), full-size	No		No	8 GB	HMIBMU0I29DE00A (7)	3.900/ 8.600

(1) AC with additional power supply module HMIYMMAC1.

(2) Memory is not user-expandable.

(3) Vijeo XD Run Time Demo to be installed and activated by unlimited license HMIRTMCLSPMZZ.

(4) Vijeo Connect license has to be purchased. For more information please refer to our website www.schneider-electric.com.

(5) Citect SCADA DVD is only for installation. Software activation license to be ordered separately.

(6) HMIYBFT4BM11 fan kit is required only when PCI/PCIe expansion cards above 3 W are installed.

(7) With conformal coating.

(8) Available with pre-installed Windows 8.1 which will be replaced by Windows 10 in Q4 2017.

PF143640B



HMIBMP0174D2801

PF143643B



HMIBMP0174D4801

Magelis HMIBMP Performance

Intel Core i7-4650U 1.7 GHz processor/24 V --- supply voltage (1)

PCI slot	Operating system	Software	Storage disk	DDR3 RAM (2)	Reference	Weight kg/lb
With 2 expansion slots						
2 mini PCIe, full-size	Windows 10 IoT Enterprise (64-bit Multi-language) (8)	Vijeo XD RT Demo (3), Vijeo Connect (4), IloT monitor with Node-RED, Citect SCADA DVD (5)	SSD flash disk ≥ 80 GB with 1.5 million hours MTBF	8 GB	HMIBMP0174D2801	3.100/6.800
		Vijeo XD RT Demo (3), Vijeo Connect (4), IloT monitor with Node-RED	HDD Enterprise 24/7 ≥ 500 GB	8 GB	HMIBMP0174D2801	3.100/6.800
	No	Vijeo Connect (4), IloT monitor with Node-RED	No	8 GB	HMIBMP0174D2001	3.100/6.800
	No		No	16 GB	HMIBMP0174D200A (7)	3.100/6.800
With 4 expansion slots (6)						
2 mini PCIe + 1 PCI + 1 PCIe (x4), full-size	Windows 10 IoT Enterprise (64-bit Multi-language) (8)	Vijeo XD RT Demo (3), Vijeo Connect (4), IloT monitor with Node-RED, Citect SCADA DVD (5)	SSD flash disk ≥ 80 GB with 1.5 million hours MTBF	8 GB	HMIBMP0174D4801	3.900/8.600
		Vijeo Connect (4), IloT monitor with Node-RED, Citect SCADA DVD (5)	HDD Enterprise 24/7 ≥ 500 GB	8 GB	HMIBMP0174D4801	3.900/8.600
	No	Vijeo Connect (4), IloT monitor with Node-RED	No	8 GB	HMIBMP0174D4001	3.900/8.600
	No		No	16 GB	HMIBMP0174D400A (7)	3.900/8.600
2 mini PCIe + 2 PCI, full-size	No		No	16 GB	HMIBMP0174DI00A (7)	3.900/8.600
2 mini PCIe + 1 PCIe (x1) + 1 PCIe (x4), full-size	No		No	16 GB	HMIBMP0174DE00A (7)	3.900/8.600

(1) AC with additional power supply module HMIYMMAC1.

(2) Memory is not user-expandable.

(3) Vijeo XD Run Time Demo to be installed and activated by unlimited license HMIRTCZLSPMZZ.

(4) Vijeo Connect license has to be purchased. For more information please refer to our website www.schneider-electric.com.

(5) Citect SCADA DVD is only for installation. Software activation license to be ordered separately.

(6) HMIYBFKT4BM11 fan kit is required only when PCI/PCIe expansion cards above 3 W are installed.

(7) With conformal coating.

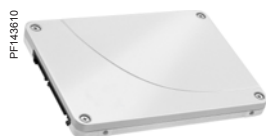
(8) Available with pre-installed Windows 8.1 which will be replaced by Windows 10 in Q4 2017.

Industrial PCs

Magelis iPCs for automation

Magelis HMIBM Modular Box PC

Separate components



HMIYSSDS240S1



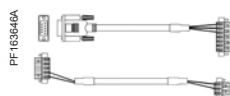
HMIYMADSDD1



HMIYMMAC1



HMIYMUPSKT1



HMIYCABUPS31



HMIYMACWLIOT1

Separate components

Description	Details	Compatible with Magelis HMIBM		Reference	Weight kg/lb
		Universal HMIBMU	Performance HMIBMP		
Drives					
CFast card	32 GB MLC, blank	All models		HMIYCFA32S	—
Blank SSD with mounting screws	80 GB MLC (5-year warranty and 1.5 million hours MTBF)	All models		HMIYSSDS080S1	—
	180 GB MLC (5-year warranty and 1.5 million hours MTBF)	All models		HMIYSSDS160S1	—
	240 GB MLC (5-year warranty and 2 million hours MTBF)	All models		HMIYSSDS240S1	—
Blank HDD	Spare 1 TB HDD, blank	All models		HMIYHDD01T21	—
	Spare 500 GB HDD, blank	All models		HMIYHDD50021	—
Slide-in for HDD/SSD	Slide-in to mount HDD/SSD 2.5" in a storage slot of modular Box PC	All models		HMIYMADSDD1	—
Accessories					
Maintenance kit for HMIBM Box PCs + HMIDM Modular Displays	Includes: ■ Screws and dampers for HDD/SSD ■ Screws and clamps for panel mounting ■ Modular Box cover screws ■ Screws for mounting Box to Display ■ Power connector and sticker ■ CFast card pull-out ■ Rubbers for 15" and 19" mounting ■ Filter for fan kit ■ Bracket, screws, and dampers for mini PCIe	All models		HMIYBMKTBM1	—
Fan kit for HMIBM Box PC	Fan kit to mount PCI/PCIe cards with a power consumption between 3 W to 10 W on a HMIBM Modular Box PC	All models		HMIYBFKT4BM11	—
USB key blank for iPC recovery	Spare USB memory key blank (1)	All models		HMIYUSBBK111	—
Modular AC power supply for HMIBM	Modular AC power adapter to be mounted on HMIBM Box PC, provided with US and Europe power cord (2)	All models		HMIYMMAC1	—
UPS battery	UPS battery for HMIBM (no cables)	All models		HMIYMUPSKT1	—
UPS cable	UPS cables for HMIBM (3 m/9.84 ft)	All models		HMIYCABUPS31	—
VESA mounting kit	VESA mounting kit for HMIBM Box PC with 2 slots + HMIDM Display	All models		HMIYPVESA21	—
	VESA mounting kit for HMIBM Box PC with 4 slots + HMIDM Display	All models		HMIYPVESA41	—
DP to DVI adapter	DP to DVI-D adapter	All models		HMIYADDPDVI11	—
DP to DVI cable	DP to DVI-D cable 3 m/9.84 ft	All models		HMIYCABDPDVI31	—
Display adaptation plate	Display adaptation plate from legacy Panel PC 19" display HMIPU●9●●● to Modular Display 15" HMIDM7421	All models with HMIDM7421		HMIYAD1915D1	—
McAfee license sticker	License sticker to apply when McAfee whitelisting is activated within IloT Monitor.	All models		HMIYMACWLIOT1	—
Software and Secure remote access (3)					
Vijeo XD Run Time license	Converts the 21-day trial version of Vijeo XD Run Time Demo to an unlimited license.	All models with Vijeo XD HMI software		HMIRTM CZLSPMZZ	—
Vijeo Connect	For HMI secure remote access	All models that support Vijeo Connect		VJOCNT(4)	—

1) USB key including restore image for recovery is supplied with each unit. The spare blank key is only necessary if the default key supplied with the unit is lost.

(2) For IECEx Zone 22 (Dust) only. HMIYPSMAC1 is not certified for IECEx Zone 2 (Gas).

(3) Vijeo XL available in Configured-To-Order (see page 3/22).

(4) For Vijeo Connect references, please refer to page 7/3.

Industrial PCs

Magelis iPCs for automation

Magelis HMIBM Modular Box PC

Separate components

Separate components (continued)

Description	Details	Compatible with Magelis HMIBM		Reference	Weight kg/lb
		Universal HMIBMU	Performance HMIBMP		
Interfaces					
NVRAM interface	Mini PCIe with non-volatile RAM, without external connectors	All models		HMIYMINNVRAM1	—
2 RS-422/485 isolated interface	Mini PCIe with 2 RS-422/485, isolated external interface with connectors	All models		HMIYMINSL24851	—
4 RS-422/485 interface	Mini PCIe with 4 RS-422/485, external interface with connectors	All models		HMIYMINSL44851	—
2 RS-232 isolated interface	Mini PCIe with 2 RS-232, isolated external interface with connectors	All models		HMIYMINSL22321	—
4 RS-232 interface	Mini PCIe with 4 RS-232, external interface with connectors	All models		HMIYMINSL42321	—
1 Profibus DP Master NVRAM interface	Mini PCIe with 1 Profibus DP Master, non-volatile RAM, external interface with connectors	All models		HMIYMINPRO1	—
2 CANopen/CAN bus interface	Mini PCIe with 2 CAN fieldbus, external interface with connectors, drivers for CANopen and CAN bus	All models		HMIYMINCAN1	—
16 DI/8 DO interface	Mini PCIe with 16 DI/8 DO, external interface with connectors, 2 m/6.56 ft cable and DIN rail wiring terminal	All models		HMIYMINIO1	—
2 USB 3.0 interface	Mini PCIe with USB 3.0, external interface with connectors	All models		HMIYMINUSB1	—
Cellualr 3G interface	Mini PCIe with GPRS, SIM card holder, and external antenna	All models		HMIYMINGPRS1	—
Audio interface	Module with Audio (line in, line out and mic), external interface with connectors	All models		HMIYMINAUD1	—
Wireless LAN interface + 2 antennas kit	Kit with mini PCIe (half-size) WiFi access point + bluetooth, adapter to mini PCIe (full-size) slot and 2 antennas	All models		HMIYMINWIFI1	—
Remote wireless LAN antenna cable	5 m/16.4 ft cable to mount a WiFi antenna remotely from Magelis iPC	All models		HMIYCABWIFIAN51	—
Cyber Security TPM for iPC	Trusted Platform Module (1) for cyber secured hardware encryption on HMIBM with related connector on mother board, to be activated with Windows bit-locker.	All models		HMIYMINATPM201	—
Cellualr 4G interface for North America	Mini PCIe GPRS 4G for North America frequencies. Kit including SIM card holder and external antennas	All models		HMIYMIN4GUS1 (2)	—
Cellualr 4G interface for Europe and Asia	Mini PCIe GPRS 4G for Europe and Asia frequencies. Kit including SIM card holder and external antennas	All models		HMIYMIN4GEU1 (2)	—
Interface Mini PCIe DVI-I for iPC	Mini PCIe Graphic video card Full HD 1920 x 1080, with DVI-I connector on an external interface (providing both dual digital and analog signals)	All models (limited to a single Mini PCIe graphic video card per unit)		HMIYMINDVII1 (2)	—
Interface Mini PCIe 2VGA + DVI-D	Mini PCIe Graphic video card Full HD 1920 x 1080, with 2xVGA connectors on a single external interface and 1x DVI-D connector in a second external interface	All models (limited to a single Mini PCIe graphic video card per unit)		HMIYMINVGADVID1 (2)	—
Interface Mini PCIe Audio for iPC	Mini PCIe audio card and one external interface with speaker OUT, Line IN and Mic IN connectors	All models		HMIYMINAUD21	—

(1) TPM delivered at 2.0 version, requiring user downgrade to 1.2 version with the provided tool to run on HMIBMU/HMIBMP with BIOS.

(2) Available in Q1 2018.

Industrial PCs
Magelis HMIDM Modular Display for automation

Type of Display		Magelis HMIDM Modular Display	
Model		4:3 15" touch screen	W15" touch screen
			
Screen	Type	LED LCD single-touch resistive screen	LED LCD 5-point multi-touch projected capacitive technology screen
	Size	4:3 15"	W15.6"
	Resolution	XGA, 1024 × 768 pixels, 16.7 million colors	WHD FWXGA, 1366 × 768 pixels, 16.7 million colors
	Degree of protection	IP66, Nema 4x indoor front panel, and 7H hardness anti-scratch	
	Brightness	Life span ≥ 300 cd/m², stepless adjustment	
	View angle	Vertical 115°, horizontal 140°	Vertical 140°, horizontal 150°
	Backlight service life	50,000 hours	
Interface	On the front panel	1 USB 2.0 (Type A) and Reset button	–
	On the back panel	–	–
Supply voltage		From Box PC or mounted Display Adapter	
Standards and certifications (mounted on front Panel of Box PC HMIBM or Display adaptor HMIDIID)		CE, Marine DNV, RCM, EAC, cULus Industrial Control (UL 61010, CSA 22.2 No.142), cULus HazLoc (ANSI/ISA 12.12.01 and CSA C22.2 No. 213, Class I, Division 2), CE Atex and IECEx HazLoc 3GD Zone 2/22, FCC (part 15 EMC Class A)	
Power consumption	With Universal Modular Box PC	25.5 W typical, 39.9 W max.	26.6 W typical, 40.9 W max.
	With Performance Modular Box PC	25.9 W typical, 44.9 W max.	27.1 W typical, 46.1 W max.
	With Display Adapter	Please refer to Magelis Modular Box iPC and Display User Manual available in our website www.schneider-electric.com .	
Mounting	Panel PC (with Box PC HMIDM)	On front enclosure or VESA 100 × 100 with mounting kit HMIYPVESA●●●●●1 on the rear of Box PC	
	Panel Monitor (with Display Adapter HMIDAD)	On front enclosure or VESA 100 × 100 on the rear of Display Adaptor	
Dimensions	Overall dimensions (W × H × D)	390.7 × 290 × 28 mm/15.38 × 11.42 × 1.10 in.	419.7 × 269 × 28 mm/16.52 × 10.59 × 1.10 in.
	Cut-out (W × H)	383.5 × 282.5 mm/15.10 × 11.12 in.	412.4 × 261.7 mm/16.24 × 10.30 in.
Temperature	During operation	Conforming to EN/IEC 60068-2-30: 0...55 °C/32...131 °F (1)	
	During storage	Conforming to IEC 61000-4/ EN 55011: -30...70 °C/-22...158 °F	
References		HMIDM7421	HMIDM7521
Page		3/17	

(1) Except Box PC with 2x mini PCIe + display: limited to 45 °C/113 °F.

Magelis HMIDM Modular Display		Magelis HMIDAD Display Adapter
W19" touch screen	W22" touch screen	
		
		
LED LCD 5-point multi-touch projected capacitive technology screen		
W18.5"	W21.5"	
WHD FWXGA, 1366 × 768 pixels, 16.7 million colors	Full HD, 1920 × 1080 pixels, 16.7 million colors	
IP66, Nema 4x indoor front panel, and 7H hardness anti-scratch		
Life span ≥ 300 cd/m², stepless adjustment		
Vertical 140°, horizontal 150°	Vertical 150°, horizontal 150°	
50,000 hours		
—		According to Magelis HMIDM Modular Display mounted on front
—		1 USB 2.0 (Type B), 1 Display Port
From Box PC or mounted Display Adapter		24 V $\overline{\text{---}}$ or 100...240 V $\sim$ with external power adapter
CE, EAC, RCM, cULus (UL IT 60950, CSA IT 60950), FCC (part 15 EMC Class A)		CE, cULus CSA 22-2 No 142, cULus HazLoc Class I Division 2 (ANSI/ISA 12-12-01, CSA 22-2 No 213), ATEX and IECEx Hazardous Locations 3GD Zone 2/22, FCC (part 15 EMC Class A), CCC
27.9 W typical, 43.1 W max.	29.9 W typical, 45.2 W max.	According to Magelis HMIDM Modular Display mounted on front
28.4 W typical, 48.1 W max.	30.5 W typical, 50.7 W max.	
Please refer to Magelis Modular Box iPC and Display User Manual available in our website www.schneider-electric.com .		
On front enclosure or VESA 100 × 100 with mounting kit HMIYPVESA●●●●●1 on the rear of Box PC		—
On front enclosure or VESA 100 × 100 on the rear of Display Adapter		On the back of Modular Display HMIDM
488 × 309 × 28 mm/19.22 × 12.17 × 1.10 in.	558.4 × 349.8 × 28 mm/21.98 × 13.77 × 1.10 in.	254 x 207 x 37 mm/10 x 8.15 x 1.46 in.
479.3 × 300.3 mm/18.87 × 11.82 in.	550.3 × 341.8 mm/21.66 × 13.45 in.	According to Magelis HMIDM Modular Display mounted on front
Conforming to EN/IEC 60068-2-30: 0...55 °C/32...131 °F (1)		0...55 °C/32...131 °F
Conforming to IEC 61000-4/ EN 55011: -30...70 °C/-22...158 °F		-30...70 °C/-22...158 °F
HMIDM9521	HMIDMA521	HMIDADP11
3/17		3/19



More technical information on www.schneider-electric.com



More technical information on www.schneider-electric.com



Magelis HMIDM 22" Modular Display

Presentation

Magelis HMIDM Modular Displays are monitors designed to be easily integrated with:

- Magelis HMIBM Modular Box PCs (1) to make a Panel PC
- Magelis HMIDAD Display Adapter (2) to make a Panel Monitor, to be remotely mounted from the PC with cables up to 5 m/16.4 ft

In addition to multiple choices, the modularity feature reduces maintenance as the Display can be independently replaced without changing the complete Panel PC or Panel Monitor.

HMIDM Modular Displays are available in:

- 4:3 15" single-touch resistive screens for easy substitution of legacy Panel PCs, operation with heavy gloves, and front USB connection port
- 16:9 W15", W19" and W22" multi-touch capacitive screens for smartphone or tablet-like navigation on Vijeo XD software and for displaying SCADA screens in wide format

Magelis HMIDM7421 4:3 15" and HMIDM7521 16:9 15" screens are cULus Industrial Control and Hazardous Locations, IECEX ATEX, and Marine DNV certified. When mounted with Magelis HMIBM Modular Box PCs or HMIDAD Display Adapter with similar certifications, these displays can be used for advanced automation applications.

Overview of the offer

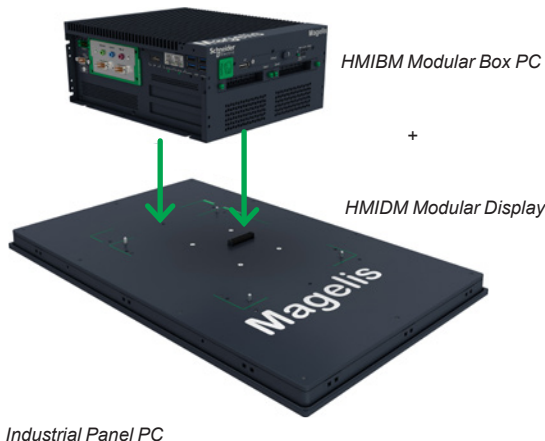
Magelis HMIDM Modular Display

Magelis HMIDM, with 4 references, features:

- **HMIDM7421**
 - Resolution: XGA, 1024 × 768 pixels, 16.7 million colors
 - Size and type: 4:3 15", single-touch resistive screen
 - View angle: Vertical 115°, horizontal 140°
- **HMIDM7521**
 - Resolution: WHD FWXGA, 1366 × 768 pixels, 16.7 million colors
 - Size and type: W15.6", multi-touch projected capacitive technology screen
 - View angle: Vertical 140°, horizontal 150°
- **HMIDM9521**
 - Resolution: WHD FWXGA, 1366 × 768 pixels, 16.7 million colors
 - Size and type: W18.5", multi-touch projected capacitive technology screen
 - View angle: Vertical 140°, horizontal 150°
- **HMIDMA521**
 - Resolution: Full HD, 1920 × 1080 pixels, 16.7 million colors
 - Size and type: W21.5", multi-touch projected capacitive technology screen
 - View angle: Vertical 150°, horizontal 150°

Architecture

Magelis HMIDM Displays are compatible and easily mountable with all HMIBM Modular Box PCs (1).



(1) For more information, please refer to pages 3/8 to 3/9.
(2) For more information, please refer to pages 3/18.

PF14385A



HMIDM9521

PF10386B



HMIYP752PS11

Magelis HMIDM Modular Displays

Description	Screen	Interface	Reference	Weight kg/lb
4:3 15" TFT LED LCD display	15", XGA (1024 × 768 pixels)	Single-touch resistive	HMIDM7421	4.2/ 9.2
16:9 15" TFT LED LCD display	15.6", WHD/FWXGA (1366 × 768 pixels)	Multi-touch capacitive	HMIDM7521	4.3/ 9.5
16:9 19" TFT LED LCD display	18.5", WHD/FWXGA (1366 × 768 pixels)		HMIDM9521	5.2/ 11.5
16:9 22" TFT LED LCD display	21.5", Full HD/FWXGA (1920 × 1080 pixels)		HMIDMA521	6.6/ 14.5

Separate components

Description	Details	Compatible with HMIDM Display	Reference	Weight kg/lb
Removable protective sheet	Set of 5 protective sheets for 4:3 15"	HMIDM7421	MPCYK50SPSKIT	—
	Set of 5 protective sheets for W15"	HMIDM7521	HMIYP752PS11	—
	Set of 5 protective sheets for W19"	HMIDM9521	HMIYP952PS11	—
	Set of 5 protective sheets for W22"	HMIDMA521	HMIYPA52PS11	—

Industrial PCs

Magelis™ iPCs for automation

Magelis HMIDAD Display Adapter for Magelis HMIDM Modular Displays and HMIDID iDisplays



Magelis HMIDAD Display Adapter

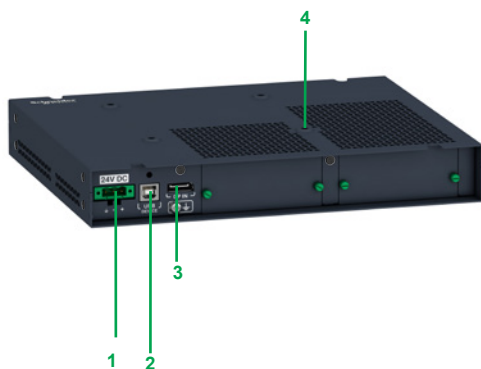
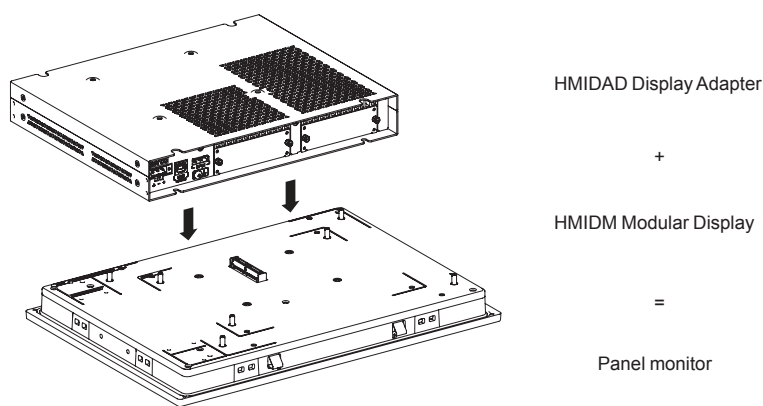
Presentation

The Magelis HMIDAD Display Adapter is used to mount a Magelis Modular Display remotely from the Magelis Box PC. The Display Adapter can be connected to a Box PC with:

- 1x USB cable for touch screen
- 1x DisplayPort cable for video within a maximum distance of 5 m/16.4 ft

Architecture

The Display Adapter is mounted on the rear side of the display as shown below:



Description

Rear view

- 1 DC power supply connection
- 2 USB 2.0 Type B port, for touch screen signal (OUT)
- 3 DisplayPort for video signal with cable up to 5 m/16.4 ft (IN)
- 4 Mounting holes for VESA 100 x 100



HMIPSOS752D1801



HMIYCABDP51



HMIYCABUSB51

Magelis HMIDAD Display Adapter

Description	Characteristics	Supply voltage	Compatible with	Reference	Weight kg/lb
Display Adapter	USB port (OUT) + Display Port (IN) for cable up to 5 m/16.4 ft	24 V $\overline{\text{---}}$ (1)	Magelis iPC and third-party PCs	HMIDADP11	1.8/ 3.96

Cables

Description	Characteristics	Compatible with	Reference	Weight kg/lb
DVI to DP cable	3 m/9.84 ft	From PC with DVI port to HMIDAD Display Adapter	HMIYCABDPDVI31	—
DP to DP cable	Display Port to Display Port, 5 m/16.4 ft cable for digital video signal	From HMIBM Modular Box PC to HMIDAD Display Adapter	HMIYCABDP51	—
USB cable	USB to USB, 5 m/16.4 ft cable for touch screen signal	From HMIDAD Display Adapter to HMIBM Modular Box PC	HMIYCABUSB51	—

(1) For AC power supply, additional power supply module HMIYPSOMAC1 or HMIYMMAC1 is required. For AC in Hazardous Locations, AC power supply module HMIYMMAC1 product version PV02 is required.

Configured-To-Order Magelis HMIBM Modular Box PC and HMIDM Modular Display

"Configured-To-Order" industrial PCs offer a vast number of configuration combinations for Magelis iPCs with certifications. The Schneider Electric Customer Care Center can help you configure the right Magelis iPC based on your automation application and provide a quotation. A web configurator <http://www.hmisource.com/wwipcc> is also available to help you easily build the configuration by yourself (password = Magelis). Our Customer Care Center or the Web configurator will provide the complete parts list for the configured Magelis Modular Box PC/Display and a configuration code that will be the part number of the Magelis iPC.

Ordering procedure for a configured Magelis HMIBM Modular Box PC and HMIDM Modular Display

If you have built your Magelis iPC configuration with the Web Configurator:

- 1 Please forward the e-mail received from the Web Configurator to our Customer Care Center. This e-mail contains a PDF file with your configuration description and part number code.
- 2 If required, specify the reference root part number GCR_HMIPCCP2.

If you cannot access the Magelis iPC Web Configurator:

- 3 Please contact our Customer Care Center and state the reference root part number GCR_HMIPCCP2.
- 4 Configure your Magelis Panel PC (see table below) and get your quote with the support of our Customer Care Center.
- 5 Confirm your order.

Configured-To-Order options for Magelis HMIBM Modular Box PC and HMIDM Modular Display

Option	Description
Box PC or Display adapter	Magelis Box PC Universal, 4 GB RAM
	Magelis Box PC Universal, 8 GB RAM, conformal coating
	Magelis Box PC Performance, 8 GB RAM
	Magelis Box PC Performance, 16 GB RAM, conformal coating
	Display Adapter
Modular Displays (pre-mounted)	None
	Modular Display 15" - XGA
	Modular Display W15" - FWXGA
	Modular Display W22" - FHD
CPU	None (Display Adapter)
	Universal, Intel® Celeron® 2980U fanless
	Universal, Intel® Celeron® 2980U with fan for expansion card above 3 W
	Performance, Intel® Core™ i7-4650U fanless
Power supply	Performance, Intel® Core™ i7-4650U with fan for expansion card above 3 W
	DC
Windows operating system	AC
	None
	WES7 Premium SP1 64-bit Multi-language
	Windows 7 Ultimate FES SP1 64-bit Multi-language
	Windows 8.1 Industry 64-bit Multi-language
Main storage device for operating system	Windows 10 IoT Enterprise (64-bit Multi-language)
	None
	CFast 32 GB
	HDD 500 GB/1 TB
Optional interfaces (pre-mounted)	SSD 80 GB/180 GB/240 GB
	None
	NVRAM
	2 RS-422/485 isolated
	4 RS-422/485
	2 RS-232 isolated
	4 RS-232
	16 DI/8 DO
	Video (DVI-D and VGA ports)
	Audio
	Cellular 3G/4G
	Wireless LAN + 2 antennas
	2 CANopen CAN bus
	Profibus DP Master with NVRAM
	Cyber security TPM module
PCI slot configuration	None (Display Adapter)
	2 full-size mini PCIe
	2 full-size mini PCIe +1 PCIe (x1) + 1 PCI
	2 full-size mini PCIe +1 PCIe (x4) + 1 PCI
	2 full-size mini PCIe + 2 PCI
	2 full-size mini PCIe + 1 PCIe (x1) + 1 PCIe
Software bundle	None
	Vijeo XD Run Time unlimited license
	Citect SCADA DVD (1)
	Vijeo XL 1500 tags Run Time license
	Vijeo XL 4000 tags Run Time license
	Vijeo XL 64000 tags Run Time license

(1) Citect SCADA DVD is only for installation. Software activation license to be ordered separately.

Legacy Magelis iPC		Replaced by Magelis iPC		Compatibility	
Description	References	Description	References	Cut-out for flush mounting	Screen definition
Magelis Panel PC - 15" and 19" Universal		Magelis HMIBM Modular Box PC + Magelis HMIDM Modular Display			
Magelis Universal 15" Panel PC, Hard disk, 2 slots, 100...240 V ~	HMIPUH7A2P01	Magelis Universal Box PC, HDD, 4 slots, Windows 10, 24 V --- + AC power supply module + Magelis 4:3 15" Display, single-touch	HMIBMUHI29D4801 + HMIYMMAC1 + HMIDM7421		
Magelis Universal 15" Panel PC, Hard disk, 2 slots, 24 V ---	HMIPUH7D2P01	Magelis Universal Box PC, HDD, 4 slots, Windows 10, 24 V --- + Magelis 4:3 15" Display, single-touch	HMIBMUHI29D4801 + HMIDM7421		
Magelis Universal 15" Panel PC, SSD, 2 slots, 100...240 V ~ Citect SCADA Full 500 I/O	HMIPUF7A2PF1	Magelis Universal Box PC, SSD, 4 slots, Windows 10, 24 V --- + AC power supply module + Magelis 4:3 15" Display, single-touch + Citect SCADA software (1)	HMIBMUSI29D4801 + HMIYMMAC1 + HMIDM7421		
Magelis Universal 15" Panel PC, SSD, 2 slots, 100...240 V ~	HMIPUF7A2P01	Magelis Universal Box PC, SSD, 4 slots, Windows 10, 24 V --- + AC power supply module + Magelis 4:3 15" Display, single-touch	HMIBMUSI29D4801 + HMIYMMAC1 + HMIDM7421		
Magelis Universal 15" Panel PC, Hard disk, 100...240 V ~	HMIPUH7A0P01	Magelis Universal Box PC, HDD, 2 slots, Windows 10, 24 V --- + AC power supply module + Magelis 4:3 15" Display, single-touch	HMIBMUHI29D2801 + HMIYMMAC1 + HMIDM7421		
Magelis Universal 15" Panel PC, Hard disk, 24 V ---	HMIPUH7D0P01	Magelis Universal Box PC, HDD, 2 slots, Windows 10, 24 V --- + Magelis 4:3 15" Display, single-touch	HMIBMUHI29D2801 + HMIDM7421		
Magelis Universal 15" Panel PC, SSD, 24 V --- Citect SCADA Lite 1200 I/O	HMIPUF7D0PL1	Magelis Universal Box PC, SSD, 2 slots, Windows 10, 24 V --- + Magelis 4:3 15" Display, single-touch + Citect SCADA software (1)	HMIBMUSI29D2801 + HMIDM7421		
Magelis Universal 15" Panel PC, SSD, 100...240 V ~	HMIPUF7A0P01	Magelis Universal Box PC, SSD, 2 slots, Windows 10, 24 V --- + AC power supply module + Magelis 4:3 15" Display, single-touch	HMIBMUSI29D2801 + HMIYMMAC1 + HMIDM7421		
Magelis Universal 15" Panel PC, SSD, 24 V ---	HMIPUF7D0P01	Magelis Universal Box PC, SSD, 2 slots, Windows 10, 24 V --- + Magelis 4:3 15" Display, single-touch	HMIBMUSI29D2801 + HMIDM7421		
Magelis Universal 15" Panel PC, CFast card, 24 V ---	HMIPUC7D0E01	Magelis Universal Box PC, CFast card, WES 7, 24 V --- + Magelis 4:3 15" Display, single-touch	HMIBMUCI29D2W01 + HMIDM7421		
Magelis Universal 19" Panel PC, Hard disk, 2 slots, 100...240 V ~	HMIPUH9A2P01	Magelis Universal Box PC, HDD, 4 slots, Windows 10, 24 V --- + AC power supply module + Magelis W19" Display, multi-touch	HMIBMUHI29D4801 + HMIYMMAC1 + HMIDM9521		
Magelis Universal 19" Panel PC, Hard disk, 2 slots, 24 V ---	HMIPUH9D2P01	Magelis Universal Box PC, HDD, 4 slots, Windows 10, 24 V --- + Magelis W19" Display, multi-touch	HMIBMUHI29D4801 + HMIDM9521		
		Cut-out or screen definition		Identical	
				Different	

(1) Citect SCADA DVD is only for installation. Software activation license to be ordered separately.

Industrial PCs

Magelis iPCs for automation

Magelis HMIBM Modular Box PC and HMIDM Modular Display

Equivalent product table

Legacy Magelis iPC		Replaced by Magelis iPC		Compatibility	
Description	References	Description	References	Cut-out for flush mounting	Screen definition
Magelis Panel PC - 19" Universal		Magelis HMIBM Modular Box PC + Magelis HMIDM Modular Display			
Magelis Universal 19" Panel PC, SSD, 2 slots, 100...240 V ~ Citect SCADA Full 500 I/O	HMIPUF9A2PF1	Magelis Universal Box PC, SSD, 4 slots, Windows 10 IoT Enterprise (64-bit Multi-language), 24 V ~ + AC power supply module + Magelis W19" Display, multi-touch + Citect SCADA software (1)	HMIBMUSI29D4801 + HMIYMMAC1 + HMIDM9521		
Magelis Universal 19" Panel PC, SSD, 2 slots, 100...240 V ~	HMIPUF9A2P01	Magelis Universal Box PC, SSD, 4 slots, Windows 10 IoT Enterprise (64-bit Multi-language), 24 V ~ + AC power supply module + Magelis W19" Display, multi-touch	HMIBMUSI29D4801 + HMIYMMAC1 + HMIDM9521		
Magelis Universal 19" Panel PC, Hard disk, 100...240 V ~	HMIPUH9A0P01	Magelis Universal Box PC, HDD, 2 slots, Windows 10 IoT Enterprise (64-bit Multi-language), 24 V ~ + AC power supply module + Magelis W19" Display, multi-touch	HMIBMUHI29D2801 + HMIYMMAC1 + HMIDM9521		
Magelis Universal 19" Panel PC, Hard disk, 24 V ~	HMIPUH9D0P01	Magelis Universal Box PC, HDD, 2 slots, Windows 10 IoT Enterprise (64-bit Multi-language), 24 V ~ + Magelis W19" Display, multi-touch	HMIBMUHI29D2801 + HMIDM9521		
Magelis Universal 19" Panel PC, SSD, 24 V ~ Citect SCADA Lite 1,200 I/O	HMIPUF9D0PF1	Magelis Universal Box PC, SSD, 2 slots, Windows 10 IoT Enterprise (64-bit Multi-language), 24 V ~ + Magelis W19" Display, multi-touch + Citect SCADA software (1)	HMIBMUSI29D2801 + HMIDM9521		
Magelis Universal 19" Panel PC, SSD, 24 V ~	HMIPUF9D0P01	Magelis Universal Box PC, SSD, 2 slots, Windows 10 IoT Enterprise (64-bit Multi-language), 24 V ~ + Magelis W19" Display, multi-touch	HMIBMUSI29D2801 + HMIDM9521		
Magelis Universal 19" Panel PC, CFast card, 24 V ~	HMIPUC9D0E01	Magelis Universal Box PC, CFast card, WES 7, 24 V ~ + Magelis W19" Display, multi-touch	HMIBMUCI29D2W01 + HMIDM9521		
			Cut-out or screen definition	Identical	
				Different	

(1) Citect SCADA DVD is only for installation. Software activation license to be ordered separately.

Industrial PCs

Magelis iPCs for automation

Magelis HMIBM Modular Box PC and HMIDM Modular Display

Equivalent product table

Legacy Magelis iPC		Replaced by Magelis iPC		Compatibility	
Description	References	Description	References	Cut-out for flush mounting	Screen definition
Magelis Panel PC - 15" stainless steel bezel		Magelis HMIBM Modular Box PC + Magelis HMIDM Modular Display			
Magelis Performance 15" Panel PC, HDD, 2 slots, 100...240 V ~	HMIPRH7A2701	Magelis Performance Box PC, HDD, 4 slots, Windows 10 IoT Enterprise (64-bit Multi-language), 24 V ~ + AC power supply module + Magelis 4:3 15" Display, single-touch	HMIBMPHI74D4801 (2) + HMIYMMAC1 + HMIDM7421		
Magelis Universal 15" Panel PC, HDD, 2 slots, 24 V ~	HMIPTH7D2P01	Magelis Universal Box PC, HDD, 4 slots, Windows 10 IoT Enterprise (64-bit Multi-language), 24 V ~ + Magelis 4:3 15" Display, single-touch	HMIBMUHI29D4801 (2) + HMIDM7421		
Magelis Universal 15" Panel PC, SSD, 2 slots, 24 V ~	HMIPTF7D2P01	Magelis Universal Box PC, SSD, 4 slots, Windows 10 IoT Enterprise (64-bit Multi-language), 24 V ~ + Magelis 4:3 15" Display, single-touch	HMIBMUSI29D4801 (2) + HMIDM7421		
Magelis Optimum 15" Panel PC, CFast card, 24 V ~	HMIPVC7D0E01	Magelis Universal Box PC, CFast card, WES 7, 24 V ~ + Magelis 4:3 15" Display, single-touch	HMIBMUCI29D2W01 (2) + HMIDM7421		
Magelis Panel PC - 15" Performance		Magelis HMIBM Box PC + Magelis HMIDM Modular Display			
Magelis Performance 15" Panel PC, HDD, 2 slots, battery, 24 V ~	HMIPPH7B2701	Magelis Performance Box PC, HDD, 4 slots, Windows 10 IoT Enterprise (64-bit Multi-language), 24 V ~ + Magelis 4:3 15" Display, single-touch	HMIBMPHI74D4801 + HMIDM7421		
Magelis Performance 15" Panel PC, Hard disk, 2 slots, 100...240 V ~	HMIPPH7A2701	Magelis Performance Box PC, HDD, 4 slots, Windows 10 IoT Enterprise (64-bit Multi-language), 24 V ~ + AC power supply module + Magelis 4:3 15" Display, single-touch	HMIBMPHI74D4801 + HMIYMMAC1 + HMIDM7421		
Magelis Performance 15" Panel PC, Hard disk, 2 slots, Windows XP, 100...240 V ~	HMIPPH7A2P01				
Magelis Performance 15" Panel PC, Hard disk, 2 slots, 24 V ~	HMIPPH7D2701	Magelis Performance Box PC, HDD, 4 slots, Windows 10 IoT Enterprise (64-bit Multi-language), 24 V ~ + Magelis 4:3 15" Display, single-touch	HMIBMPHI74D4801 + HMIDM7421		
Magelis Performance 15" Panel PC, SSD, 2 slots, 100...240 V ~ Citect SCADA Full 500 I/O	HMIPPF7A27F1	Magelis Performance Box PC, SSD, 4 slots, Windows 10 IoT Enterprise (64-bit Multi-language), 24 V ~ + AC power supply module + Magelis 4:3 15" Display, single-touch + Citect SCADA software (1)	HMIBMPSI74D4801 + HMIYMMAC1 + HMIDM7421		
Magelis Performance 15" Panel PC, SSD, 2 slots, 100...240 V ~	HMIPPF7A2701	Magelis Performance Box PC, HDD, 4 slots, Windows 10 IoT Enterprise (64-bit Multi-language), 24 V ~ + AC power supply module + Magelis 4:3 15" Display, single-touch	HMIBMPSI74D4801 + HMIYMMAC1 + HMIDM7421		
				Cut-out or screen definition	
				Identical	
				Different	

(1) Citect SCADA DVD is only for installation. Software activation license to be ordered separately.

(2) No stainless steel bezel.

Industrial PCs

Magelis iPCs for automation

Magelis HMIBM Modular Box PC and HMIDM Modular Display

Equivalent product table

Legacy Magelis iPC		Replaced by Magelis iPC		Compatibility	
Description	References	Description	References	Cut-out for flush mounting	Screen definition
Magelis Panel PC - 15" Performance		Magelis HMIBM Modular Box PC + Magelis HMIDM Modular Display			
Magelis Performance 15" Panel PC, SSD, 2 slots, Windows XP, 100...240 V ~	HMIPPF7A2P01	Magelis Performance Box PC, SSD, 4 slots, Windows 10 IoT Enterprise (64-bit Multi-language), 24 V --- + AC power supply module + Magelis 4:3 15" Display, single-touch	HMIBMPsi74D4801 + HMIYMMAC1 + HMIDM7421		
Magelis Performance 15" Panel PC, Hard disk, 100...240 V ~	HMIPPH7A0701	Magelis Performance Box PC, HDD, 2 slots, Windows 10 IoT Enterprise (64-bit Multi-language), 24 V --- + AC power supply module + Magelis 4:3 15" Display, single-touch	HMIBMPHi74D2801 + HMIYMMAC1 + HMIDM7421		
Magelis Performance 15" Panel PC, Hard disk, 24 V ---	HMIPPH7D0701	Magelis Performance Box PC, HDD, 2 slots, Windows 10 IoT Enterprise (64-bit Multi-language), 24 V --- + Magelis 4:3 15" Display, single-touch	HMIBMPHi74D2801 + HMIDM7421		
Magelis Performance 15" Panel PC, SSD, 24 V ---, Citect SCADA Full 500 I/O	HMIPPF7D07F1	Magelis Performance Box PC, SSD, 2 slots, Windows 10 IoT Enterprise (64-bit Multi-language), 24 V --- + Magelis 4:3 15" Display, single-touch + Citect SCADA software (1)	HMIBMPsi74D2801 + HMIDM7421		
Magelis Performance 15" Panel PC, SSD, 24 V ---	HMIPPF7D0701	Magelis Performance Box PC, SSD, 2 slots, Windows 10 IoT Enterprise (64-bit Multi-language), 24 V --- + Magelis 4:3 15" Display, single-touch	HMIBMPsi74D2801 + HMIDM7421		
Magelis Performance 19" Panel PC, Hard disk, 2 slots, 100...240 V ~	HMIPPH9A2701	Magelis Performance Box PC, HDD, 4 slots, Windows 10 IoT Enterprise (64-bit Multi-language), 24 V --- + AC power supply module + Magelis W19" Display, multi-touch	HMIBMPHi74D4801 + HMIYMMAC1 + HMIDM9521		
Magelis Performance 19" Panel PC, Hard disk, 2 slots, 24 V ---	HMIPPH9D2701	Magelis Performance Box PC, HDD, 4 slots, Windows 10 IoT Enterprise (64-bit Multi-language), 24 V --- + Magelis W19" Display, multi-touch	HMIBMPHi74D4801 + HMIDM9521		
Magelis Panel PC - 19" Performance		Magelis HMIBM Box PC + Magelis HMIDM Modular Display			
Magelis Performance 19" Panel PC, SSD, 2 slots, 100...240 V ~, Citect SCADA Full 500 I/O	HMIPPF9A27F1	Magelis Performance Box PC, SSD, 4 slots, Windows 10 IoT Enterprise (64-bit Multi-language), 24 V --- + AC power supply module + Magelis W19" Display, multi-touch + Citect SCADA software (1)	HMIBMPsi74D4801 + HMIYMMAC1 + HMIDM9521		
Magelis Performance 19" Panel PC, SSD, 2 slots, 100...240 V ~	HMIPPF9A2701	Magelis Performance Box PC, SSD, 4 slots, Windows 10 IoT Enterprise (64-bit Multi-language), 24 V --- + AC power supply module + Magelis W19" Display, multi-touch	HMIBMPsi74D4801 + HMIYMMAC1 + HMIDM9521		
Magelis Performance 19" Panel PC, Hard disk, 100...240 V ~	HMIPPH9A0701	Magelis Performance Box PC, HDD, 2 slots, Windows 10 IoT Enterprise (64-bit Multi-language), 24 V --- + AC power supply module + Magelis W19" Display, multi-touch	HMIBMPHi74D2801 + HMIYMMAC1 + HMIDM9521		
Magelis Performance 19" Panel PC, Hard disk, 24 V ---	HMIPPH9D0701	Magelis Performance Box PC, HDD, 2 slots, Windows 10 IoT Enterprise (64-bit Multi-language), 24 V --- + Magelis W19" Display, multi-touch	HMIBMPHi74D2801 + HMIDM9521		
Magelis Performance 19" Panel PC, SSD, 24 V ---, Citect SCADA Full 500 I/O	HMIPPF9D07F1	Magelis Performance Box PC, HDD, 2 slots, Windows 10 IoT Enterprise (64-bit Multi-language), 24 V --- + Magelis W19" Display, multi-touch + Citect SCADA software (1)	HMIBMPHi74D2801 + HMIDM9521		
Magelis Performance 19" Panel PC, SSD, 24 V ---	HMIPPF9D0701	Magelis Performance Box PC, SSD, 2 slots, Windows 10 IoT Enterprise (64-bit Multi-language), 24 V --- + Magelis W19" Display, multi-touch	HMIBMPsi74D2801 + HMIDM9521		
Magelis Panel PC - 10" and 15" Optimum		Magelis HMIBM Box PC + Magelis HMIDM Modular Display			
Magelis Optimum 15" Panel PC, CFast card, 24 V ---	HMIPWC7D0E01	Magelis Universal Box PC, CFast card, WES 7, 24 V --- + Magelis 4:3 15" Display, single-touch	HMIBMUci29D2W01 + HMIDM7421		
		Cut-out	Identical		
		or screen definition	Different		

(1) Citect SCADA DVD is only for installation. Software activation license to be ordered separately.

Industrial PCs

Magelis iPCs for automation

Magelis HMIBM Modular Box PC and HMIDM Modular Display

Equivalent product table

Legacy Magelis iPC		Replaced by Magelis iPC	
Description	References	Description	References
Magelis Box PC - Performance with 2 and 5 expansion slots		Magelis HMIBM Modular Box PC	
Magelis Performance Box PC, Hard disk, 5 slots, 24 V ---	HMIBPHDD5701	Magelis Performance Box PC, HDD, 4 slots, Windows 10 IoT Enterprise (64-bit Multi-language), 24 V ---	HMIBMPHI74D4801
Magelis Performance Box PC, SSD, 5 slots, 24 V ---, Citect SCADA Full 500 I/O	HMIBPFDD57F1	Magelis Performance Box PC, SSD, 4 slots, Windows 10 IoT Enterprise (64-bit Multi-language), 24 V --- + Citect SCADA software (1)	HMIBMPHI74D4801
Magelis Performance Box PC, SSD, 5 slots, 24 V ---	HMIBPFDD5701	Magelis Performance Box PC, SSD, 4 slots, Windows 10 IoT Enterprise (64-bit Multi-language), 24 V ---	HMIBMPHI74D4801
Magelis Performance Box PC, HDD, 2 slots, Windows XP Pro, 24 V ---	HMIBPHDB2P01	Magelis Performance Box PC, HDD, 4 slots, Windows 10 IoT Enterprise (64-bit Multi-language), 24 V ---	HMIBMPHI74D4801
Magelis Performance Box PC, SSD, 2 slots, Windows XP Pro, 24 V ---	HMIBPFDB2P01	Magelis Performance Box PC, SSD, 4 slots, Windows 10 IoT Enterprise (64-bit Multi-language), 24 V ---	HMIBMPHI74D4801
Magelis Performance Box PC, Hard disk, 2 slots, 24 V ---	HMIBPHDD2701	Magelis Performance Box PC, HDD, 4 slots, Windows 10 IoT Enterprise (64-bit Multi-language), 24 V ---	HMIBMPHI74D4801
Magelis Performance Box PC, SSD, 2 slots, 24 V ---, Citect SCADA Full 500 I/O	HMIBPFDD27F1	Magelis Performance Box PC, SSD, 4 slots, Windows 10 IoT Enterprise (64-bit Multi-language), 24 V --- + Citect SCADA software (1)	HMIBMPHI74D4801
Magelis Performance Box PC, SSD, 2 slots, 24 V ---	HMIBPFDD2701	Magelis Performance Box PC, SSD, 4 slots, Windows 10 IoT Enterprise (64-bit Multi-language), 24 V ---	HMIBMPHI74D4801
Magelis Box PC - Universal with 1 and 2 expansion slots		Magelis HMIBM Modular Box PC	
Magelis Universal Box PC, Hard disk, 2 slots, 24 V ---	HMIBUHND2P01	Magelis Universal Box PC, HDD, 4 slots, Windows 10 IoT Enterprise (64-bit Multi-language), 24 V ---	HMIBMUHI29D4801
Magelis Universal Box PC, SSD, 2 slots, 24 V ---, Citect SCADA Full 500 I/O	HMIBUFND2PF1	Magelis Universal Box PC, SSD, 4 slots, Windows 10 IoT Enterprise (64-bit Multi-language), 24 V --- + Citect SCADA software (1)	HMIBMUHI29D4801
Magelis Universal Box PC, SSD, 2 slots, 24 V ---	HMIBUFND2P01	Magelis Universal Box PC, SSD, 4 slots, Windows 10 IoT Enterprise (64-bit Multi-language), 24 V ---	HMIBMUHI29D4801
Magelis Universal Box PC, Hard disk, 1 slot, 24 V ---	HMIBUHND1P01	Magelis Universal Box PC, HDD, 2 slots, Windows 10 IoT Enterprise (64-bit Multi-language), 24 V ---	HMIBMUHI29D2801
Magelis Universal Box PC, SSD, 1 slot, 24 V ---, Citect SCADA Full 500 I/O	HMIBUFND1PF1	Magelis Universal Box PC, SSD, 2 slots, Windows 10 IoT Enterprise (64-bit Multi-language), 24 V --- + Citect SCADA software (1)	HMIBMUHI29D2801
Magelis Universal Box PC, SSD, 1 slot, 24 V ---, Windows 7.0	HMIBUFND1701	Magelis Universal Box PC, SSD, 2 slots, Windows 10 IoT Enterprise (64-bit Multi-language), 24 V ---	HMIBMUHI29D2801
Magelis Universal Box PC, SSD, 1 slot, 24 V ---	HMIBUFND1P01	Magelis Universal Box PC, SSD, 2 slots, Windows 10 IoT Enterprise (64-bit Multi-language), 24 V ---	HMIBMUHI29D2801
Magelis Universal Box PC, CFast card, 1 slot, 24 V ---	HMIBUCND1E01	Magelis Universal Box PC, CFast card, WES 7, 24 V ---	HMIBMUCI29D2W01
Root part numbers for configured Magelis iPC			
Configured Magelis Box PC	HMIPCC●1●●●	Configured Magelis Box PC	HMIPCC●2●●●

(1) Citect SCADA DVD is only for installation. Software activation license to be ordered separately.

Magelis HMIBS S-Box PC - Optimized and Universal

Selection guide page 4/2

■ Presentation

□ Overview of the offer

 - Magelis HMIBSO Optimized..... page 4/4

 - Magelis HMIBSU Universal page 4/4

□ HMI software support for Magelis HMIBS S-Box PC page 4/5

■ Description

□ Magelis HMIBSO Optimized page 4/5

□ Magelis HMIBSU Universal page 4/5

■ Reference

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□ Magelis HMIBSU Universal page 4/6

□ Separate components

 - Storage disks, peripheral equipment page 4/7

 - Software page 4/7

Industrial PCs
Magelis iPCs for automation
Magelis HMIBS S-Box PC
HMIBSO Optimized and HMIBSU Universal

Type of Magelis iPC		Magelis HMIBSO Optimized S-Box PC	
Industrial environments		Standard	
			
Fanless		★★★★★	
Non-rotating storage drive		★★★★★	
CPU	Processor	Intel® ATOM™ N270 (1.6 GHz), single-core	
	Mini PCI Express® slot	1 half-size	
	Storage	Slots	Compact Flash slot and internal SATA slot for HDD/SSD
		Drives	– Compact Flash card ≥ 8 GB
	RAM	2 GB DDR2 (2 max.)	
Operating system		–	Windows® Embedded Standard 2009
Supply voltage	Voltage	9...36 V $\overline{\text{---}}$ (± 5%, 15 W)	
	Current (excluding PCIe card)	1.5 A	
Interface	Ethernet	1 Ethernet 10/100/1,000 Mbps	
	Serial ports	2 RS-232	
	USB	2 USB 2.0	
	Audio	–	
	Video	Interface	1 VGA
		Resolution	Up to 1600 x 1200 at 85 Hz
	Digital I/O	–	
	Watchdog timer	Timer with 255 levels/intervals, programmable, 1...255 s	
Reset button		Yes	
Buzzer		Yes	
Mounting		DIN rail or desk/wall mounting	
Overall dimensions (W x H x D)		254.8 x 58.7 x 149.2 mm/10.03 x 2.31 x 5.88 in.	
Temperature	During operation	Conforming to EN/IEC 60068-2-2: 0...60 °C/32...140 °F	
	During storage	Conforming to IEC 60068-2-2/60068-2-14: –40...85 °C/–40...185 °F	
Vibration resistance	During operation	Conforming to IEC 60068-2-6: 1.75 mm/0.07 in. amplitude from 2...9 Hz, 0.5 g from 9...200 Hz	
Shock resistance	During operation	Conforming to IEC 60068-2-27 Ea: 50 g/11 ms at wall mount, half sine wave	
Standards and certifications		CE, cULus (UL 60950-1, CSA 22.2 No. 60950-1-07), EAC, CCC, RCM	
Compatible screens		Complete range of Magelis iDisplay screens (see page 6/5)	
Software, IIoT and Cyber security		Vijeo Designer RT Demo (21-day trial version) (1), Vijeo XD RT Demo (2)	
References		HMIBSO0ND1001	HMIBSOCND1E01
Page		4/6	

(1) Requires Vijeo Designer V6.2 SP2 or later versions to build and download HMI application. Unlimited license to be ordered separately (VJDSNRTMPC).

Magelis HMIBSU Universal S-Box PC		
Standard		
		
★★★★★		
★★★★★		–
Intel ATOM N2600 (1.6 GHz), dual-core		
1 full-size		
CFAST slot and internal SATA slot for HDD/SSD		
CFAST card ≥ 16 GB	SSD ≥ 80 GB, 5-year Intel warranty and 1.5 million hours MTBF	–
4 GB DDR3 (4 max.)		
Windows 7 32-bit (WES 7 Premium)		–
12...24 V $\overline{\text{---}}$ (± 5%, 16 W)		
3.0...1.5 A		
3 Ethernet 10/100/1,000 Mbps		
2 RS-232, 4 RS-232/422/485 with auto flow control		
5 USB 2.0		
High Definition Audio (HD), Line-in, Line out, Mic-in		
1 VGA + 1 HDMI		
Up to 1920 x 1200 at 85 Hz		
8 bits, to be configured by the iManager software provided (advanced users only)		
Timer with 255 levels/intervals, programmable, 1...255 s		
–		
Yes (not supported by Windows 7)		
DIN rail or desk/wall mounting		
264.5 x 68.4 x 133 mm/10.41 x 2.69 x 5.24 in.		
Conforming to EN/IEC 60068-2-2: 0... 50 °C/32...122 °F		
Conforming to IEC 60068-2-2/ 60068-2-14: –40...85 °C/–40...185 °F		
Conforming to IEC 60068-2-6: 1.75 mm/0.07 in. amplitude from 2...9 Hz, 0.5 g from 9...200 Hz		
Conforming to IEC 60068-2-27 Ea: 50 g/11 ms at wall mount, half sine wave		
CE, cULus (UL 60950-1, CSA 22.2 No. 60950-1-07), EAC, CCC, RCM		
Complete range of Magelis iDisplay screens (see page 6/5)		
Vijeo Designer RT Demo (21-day trial version) (1), Vijeo XD RT Demo (2)	Vijeo Designer RT Demo (21-day trial version) (1), Vijeo XD RT Demo (2), Vijeo Connect (3)	Vijeo Designer RT Demo (21-day trial version) (1), Vijeo XD RT Demo (2)
HMIBSUCND1W01	HMIBSUSND1W01	HMIBSU0ND1001
4/6		

(2) To be installed and activated by unlimited license HMIRTMCLSPMZZ.
(3) To be installed and activated with subscription.

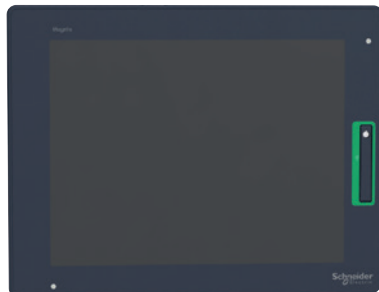




Magelis S-Box PC Optimized



Magelis S-Box PC Universal



Connection of Magelis HMIBS Universal and Magelis iDisplay

Connection of Magelis HMIBS Universal and Magelis iDisplay

Presentation

Magelis S-Box PCs are simple industrial PCs available as Optimized and Universal types. These PCs are mainly used in repetitive machines and infrastructure applications that require a Microsoft Windows® operating system.

The Magelis S-Box PC can use Magelis iDisplay monitors as its display screen. For more information on Magelis iDisplay monitors, see page 6/5.

Magelis S-Box PCs offer the following benefits:

- All-in-one simple design with easy selection, ordering, and installation
- Wall-mounted with small footprint and compact enclosure
- 24/7 operation with quick and easy remote access to system monitoring
- Maintenance-free non-rotating parts
- UL60950-certified
- Tested, validated, and supported in Schneider solutions

Overview of the offer

Magelis HMIBSO Optimized

HMIBS Optimized has a fanless Intel®ATOM™ N270 low-power CPU (1.6 GHz) and a non-rotating storage drive. This offer, with 2 references, provides:

- Maximum 2 GB DDR2 RAM, default mounted
- Connection ports: 2 USB 2.0, 2 RS-232, 1 Gigabit Ethernet, and 1 VGA port for video
- Expansion: 1 half-size mini PCI Express® slot
- Power supply: 24 V ~ (large-scale 9...36 V ~)

The operating systems and storage devices are:

- **HMIBSOCND1E01**
 - Operating system: WES 2009 Windows Embedded, pre-installed
 - Default storage device: 8 GB Compact Flash card, write-protected
 - Additional free internal SATA slot for HDD or SSD
- **HMIBSO0ND1001**
 - Operating system: None
 - Default storage device: None
 - Additional free internal SATA slot for HDD or SSD

Magelis HMIBSU Universal

HMIBS Universal has a fanless Intel Atom D2600 dual-core low-power CPU (1.6 GHz) and a non-rotating storage drive. This offer, with 3 references, provides:

- Maximum 4 GB DDR3 RAM, default mounted
- Connection ports: 5 USB 2.0, 2 RS-232, 4 RS-232/422/485, 3 Gigabit Ethernet, HD audio ports, 1 VGA, and 1 HDMI port for video
- Expansion: 1 full-size mini PCI Express slot
- Power supply: 24 V ~ (large-scale 12...24 V ~)
- Upgradable with IIoT monitor, running Node-RED for direct cloud connections

The operating systems and storage devices are:

- **HMIBSUCND1W01**
 - Operating system: Windows 7 32-bit (WES 7 Premium full version)
 - Default storage device: 16 GB CFast card
 - Additional free internal SATA slot for HDD or SSD
- **HMIBSUSND1W01**
 - Operating system: Windows 7 32-bit (WES 7 Premium full version)
 - Default storage device: 80 GB SSD (5-year manufacturer warranty and 1.5 million hours MTBF)
 - Additional free CFast slot
- **HMIBSU0ND1001**
 - Operating system: None
 - Free CFast slot and an internal SATA slot for HDD or SSD

Presentation (continued)

HMI software support for Magelis HMIBS S-Box PC (1)

Magelis S-Box PCs are supported by Schneider Electric HMI software for automation. Vijeo Designer RT is pre-installed in all Magelis S-Box PCs as a Demo version. This can be upgraded to unlimited version with additional **VJDSNRTMPC** license (2). The Vijeo XD RT also runs on all Magelis S-Box PCs and can be installed from any Vijeo XD DVD. This can be upgraded to unlimited version with an additional **HMIRTMCZLSPMZZ** license.

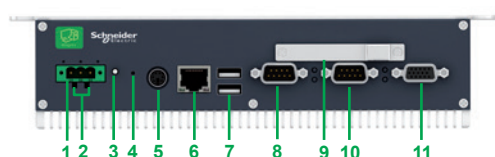
For secured remote access Magelis S-Box PC **HMIBSUSND1W01** is supported with Vijeo Connect which has to be installed and activated with subscription.

Description

Magelis HMIBSO Optimized

Front view

- 1 Connector for input DC power supply
- 2 Status and power supply LEDs
- 3 Power supply button
- 4 Reset button
- 5 Keyboard and mouse connector
- 6 Ethernet port 10/100/1,000 Mbps
- 7 2 USB 2.0 ports (USB1 and USB2)
- 8 COM2 RS-232 port
- 9 Compact Flash memory card slot
- 10 COM1 RS-232 port
- 11 VGA port

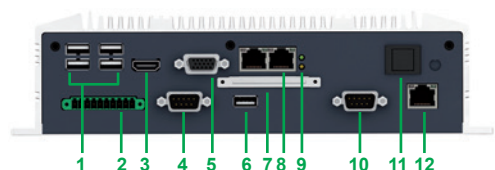


Front view of Magelis HMIBSO Optimized

Magelis HMIBSU Universal

Front view

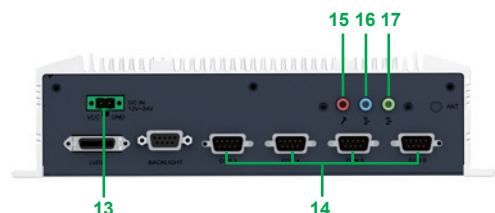
- 1 4 USB 2.0 ports (USB1, USB2, USB3 and USB4)
- 2 8 Digital I/O
- 3 HDMI port
- 4 COM1 RS-232 port
- 5 VGA port
- 6 USB 2.0 port
- 7 CFast memory card slot
- 8 2 Ethernet ports
- 9 Status (HDD and CFast disk) and power supply LEDs
- 10 COM2 RS-232 port
- 11 Power supply switch
- 12 Ethernet port



Front view of Magelis HMIBSU Universal

Rear view

- 13 Connector for input DC power supply
- 14 4 RS-232/422/485 with auto flow control (by BIOS setting)
- 15 MIC
- 16 LINE-IN
- 17 LINE-OUT



Rear view of Magelis HMIBSU Universal

(1) As Magelis S-Box PC does not have SRAM, it is recommended to save data on a storage drive (USB stick or SSD) to avoid data loss.

(2) Requires Vijeo Designer V6.2 SP2 or higher version to build and download an HMI application.

PF140109



HMIBSOCND1E01

Magelis HMIBSO Optimized**Intel ATOM N270 single-core processor (1.6 GHz)/DDR2 RAM/DC power supply**

PCI expansion slot	Operating system	Software	Storage drives and slots	DDR2 RAM	Reference	Weight kg/lb
1 mini PCIe, half-size	Windows Embedded Standard 2009 (1)	Vijeo Designer RT Demo pre-installed (2), Vijeo XD RT Demo (3)	Compact Flash ≥ 8 GB, 1 internal free slot for SSD/HDD	2 GB	HMIBSOCND1E01	4.000/ 8.818
	–	Vijeo Designer RT Demo pre-installed (2), Vijeo XD RT Demo (3)	1 internal free slot for SSD/HDD	2 GB	HMIBSO0ND1001	

PF140112



HMIBSUCND1W01

Magelis HMIBSU Universal**Intel ATOM N2600 dual-core processor (1.6 GHz)/DDR3 RAM/DC power supply**

PCI expansion slot	Operating system	Software	Storage drives and slots	DDR3 RAM	Reference	Weight kg/lb
1 mini PCIe, full-size	Windows 7 32-bit (WES 7 Premium full version)	Vijeo Designer RT Demo pre-installed (2), Vijeo XD RT Demo (3)	CFast ≥ 16 GB, 1 internal free slot for SSD/HDD	4 GB	HMIBSUCND1W01	6.000/ 13.22
		Vijeo Designer RT Demo pre-installed (2), Vijeo XD RT Demo (3), Vijeo Connect (4)	SSD Flash disk ≥ 80 GB (5-year manufacturer warranty and 1.5 million hours MTBF), 1 free slot for CFast	4 GB	HMIBSUSND1W01	7.000/ 15.43
		Vijeo Designer RT Demo pre-installed (2), Vijeo XD RT Demo (3)	1 internal free slot for SSD/HDD, 1 free slot for CFast	4 GB	HMIBSU0ND1001	7.000/ 15.43

(1) Windows Embedded Standard 2009 supplied in 9 languages (English, French, German, Italian, Portuguese, Spanish, Swedish, Chinese, Russian). Also includes:

- Acrobat Reader, Microsoft® Word/Excel/PowerPoint Viewer
- Framework .Net 3.5
- Web browser
- Citect SCADA Web Client
- Vijeo Designer RT Demo (21-day trial version)

(2) Requires Vijeo Designer V6.2 SP2 or higher version to build and download an HMI application.

(3) Vijeo XD Run Time: The demo version can be used temporarily without activation (installation from Vijeo XD Build Time DVD) and can be upgraded to unlimited version by purchasing the license HMIRTMCLSPMZZ.

(4) Vijeo Connect license has to be purchased. For more information please refer to our website www.schneider-electric.com.

Industrial PCs

Magelis iPCs for automation
Magelis HMIBS S-Box PC
Separate components

Separate components					
Description	Details	Compatible with Magelis HMIBS S-Box PC		Reference	Weight kg/lb
		HMIBSO	HMIBSU		
		Optimized	Universal		
Storage disks, peripheral equipment					
SSD with mounting screws	80 GB MLC (5-year warranty and 2 million hours MTBF)	All models		HMIYSSDS080S1	—
	160 GB MLC (5-year warranty and 2 million hours MTBF)	All models		HMIYSSDS160S1	—
	240 GB MLC (5-year warranty and 2 million hours MTBF)	All models		HMIYSSDS240S1	—
CFast card	8 GB MLC, blank	All models	—	HMIYCFS08S	—
CFast card	16 GB MLC, blank	—	All models	HMIYCFA16S	—
HDMI to DVI interface	HDMI to DVI interface	—	All models	HMIYADHDMIDVIS1	—
DIN rail adapter	DIN rail adapter for S-Box PC	All models	—	HMIYADBSODIN11	—
			All models	HMIYADBSUDIN21	—
Software					
Vijeo Designer RT license for 1 workstation	Converts the 21-day trial version of Vijeo Designer RT Demo to an unlimited license	All models		VJDSNRTMPC	—
Intelligent Data Service license extension for Vijeo Designer RT for 1 workstation	Used to track the process variables and all operator actions, and offers visibility of the key process values	All models (requires storage capacity ≥ 4 GB)		VJDSNTRCKV60M	—
Vijeo XD RT license for 1 workstation	Converts the 21-day trial version of Vijeo XD Demo to an unlimited license	All models		HMIRTM CZLSPMZZ	—
Vijeo Connect	For HMI secure remote access	HMIBSUSND1W01		VJOCNT(1)	—

(1) For Vijeo Connect references, please refer to the Vijeo XD Touch screen configuration software catalog or datasheets available in our website www.schneider-electric.com.

Magelis HMIR Rack PC - Optimized, Universal, and Performance
Selection guide page 5/2

■ Presentation

- Overview of the offer
 - Magelis HMIR●O Optimized 2U page 5/4
 - Magelis HMIRSU Universal 2U page 5/4
 - Magelis HMIRSP Performance 4U page 5/5
- Storage drive trays and redundant Raid HDD page 5/5
- Remote system monitoring for Magelis HMIR Rack PCs page 5/5
- Magelis iDisplay monitor for Magelis HMIR Rack PCs page 5/6
- Software bundles for Magelis HMIR Rack PCs page 5/6
- Actassi 19" rack enclosure for Magelis HMIR mounting page 5/6

■ Description

- Magelis HMIR●O Optimized 2U page 5/7
- Magelis HMIRSU Universal 2U page 5/8
- Magelis HMIRSP Performance 4U page 5/9

■ References

- Magelis HMIR●O Optimized 2U page 5/10
- Magelis HMIRSU Universal 2U page 5/10
- Magelis HMIRSP Performance 4U page 5/10
- Separate components
 - Storage disks, expansion RAM, peripheral equipment page 5/11
 - Maintenance kit page 5/11
 - Power supply page 5/11
 - Software page 5/11

Industrial PCs

Magelis™ iPCs for automation
Magelis HMIR Rack PC
Optimized, Universal, and Performance

Type of Magelis iPC (1)		Magelis HMIR•O Optimized Rack PC 2U	
Industrial environments		Control rooms and labs	
			
CPU	3 rd generation Processor	Intel Core G540 (2.5 GHz), dual-core	Intel Core G850 (2.9 GHz), dual-core
	Micro ATX/ATX Motherboard	Micro ATX	
	PCI Express® slot/PCI	2 PCI Express (x8) + 1 PCI	
Storage	Slots	1 internal slot (SATA3) + 2 hot-swap trays (SATA2)	
	Drives	1 HDD ≥ 500 GB consumer, in internal slot with OS	1 HDD ≥ 500 GB Enterprise 24/7, in internal slot
	RAM (max. 32 GB) (2)	2 GB DDR3 in 1 slot	
Operating system		Windows® 7 32-bit (WES 7 Premium full blown)	Windows 7 64-bit (WES 7 Premium full blown)
Supply voltage		100...240 V ~ (300 W single power supply)	
Cooling method		3 fans, user-exchangeable with fan speed control to reduce noise	
Interface	Ethernet	2 Ethernet 10/100/1,000 Mbps	
	Serial ports	2 RS-232 (+ 3 RS-232 + 1 RS-485 optional with additional HMIYRINSL21)	
	USB ports	2 USB 2.0, 4 USB 3.0	
	Audio	2 (Mic, line-out)	
Video	Interface	1 VGA + 1 DVI	
	Resolution	VGA: Up to 2048 × 1536 at 60 Hz, DVI: Up to 1920 × 1200 at 60 Hz	
	DVD-RW drive	1 DVD-RW drive	
	Watchdog timer	System reset output, programmable 1...255 s/min	
	Reset button, buzzer, Case-open switch	Yes	
Mounting		2U in 19" HMIR enclosure (1)	
Overall dimensions (W x H x D)		482 × 88.4 × 481.4 mm/18.98 × 3.48 × 18.95 in.	
Degree of protection		IP40	
Temperature	During operation	Conforming to IEC 60068-2-2: 0...40 °C/32...104 °F	
	During storage	Conforming to IEC 60068-2-2: -20...60 °C/-4...140 °F	
Humidity	During operation	Conforming to IEC 60068-2-78: 10...85% at 40 °C/104 °F, non-condensing	
	During storage	Conforming to IEC 60068-2-78: 10...95% at 40 °C/104 °F, non-condensing	
Vibration resistance	During operation	Conforming to IEC 60068-2-6: 1 g from 5...500 Hz (except for HDD drive)	
Shock resistance	During operation	Conforming to IEC 60068-2-6: 1 g from 5...500 Hz (except for HDD drive)	
Standards and certifications		CE, cULus (UL 60950-1, CSA 22.2 No.60950-1-07), CCC, RMC	
Compatible screens		Complete range of Magelis iDisplay screens (see page 6/5)	
Software	Vijeo Designer (3) and Vijeo XD Run Time Demo	☐ Vijeo Designer Run Time Demo (21-day trial version) to be installed from Software DVD. Unlimited license to be ordered separately (3)	
	Bundle (validated and supported) (5)	☐ Vijeo XD Run Time demo to be installed and activated by unlimited license HMIRTM CZLSPMZZ	
		-	
References	Windows 7 64-bit (Ultimate Multi-language)	HMIRXOHPA3W01	HMIRSOHPA3W01
	No operating system	-	-
	Windows Server 2008 Standard R2	HMIRXOHPA3001	-
	Windows Server 2012 R2	-	-
		-	-
Page		5/10	

(1) Rack 2U or 4U is a unit used to measure the height of an equipment that will be mounted in an 19" rack enclosure. 1 unit = 44.45 mm/1.75 in. high.
(2) 4 user-accessible RAM slots available.
(3) Requires Vijeo Designer V6.2 SP2 or later versions to build and download HMI application.

Magelis HMIRSU Universal PC 2U

Magelis HMIRSP Performance PC 4U

Control rooms and labs

Magelis

Magelis

Magelis

Magelis

Intel Core i3-2120 processor (3.3 GHz), dual-core		Intel Xeon™ E3-1225 processor (3.1 GHz), quad-core			
Micro ATX		ATX			
2 PCI Express (x16) + 1 PCI		Up to 7 slots: 4 PCI Express (x16) + 3 PCI (including 1 PCI slot used for default removable audio connections)			
4 front hot-swap trays (2 SATA2 + 2 SATA3)		1 internal slot (SATA3) + 4 hot-swap trays (SATA2)			
1 HDD ≥ 500 GB Enterprise 24/7, in front tray with OS	1 SSD ≥ 80 GB in internal slot with OS (4)	1 HDD ≥ 500 GB Enterprise 24/7, in front tray with OS	1 SSD ≥ 80 GB in internal slot with OS (4)	2 HDD RAID ≥ 500 GB 24/7 in front trays with OS	
4 GB DDR3 in 2 slots		16 GB DDR3 in 2 slots	4 GB DDR3 in 2 slots	8 GB ECC in 2 slots	
Windows 7 64-bit (Ultimate Multi-language)				Windows Server R2 (5 clients)	
100...240 V ~ (300 W single power supply)			100...240 V ~ (500 W redundant power supply)		
3 fans, user-exchangeable with fan speed control to reduce noise		2 fans, user-exchangeable with fan speed control to reduce noise			
2 Ethernet 10/100/1,000 Mbps					
2 RS-232 (+ 3 RS-232 + 1 RS-485 optional with additional HMIYRINSL21)		2 RS-232 (+ 4 optional with additional HMIYRINSL41)			
2 USB 2.0, 4 USB 3.0		4 USB 2.0, 2 USB 3.0			
2 (Mic, line-out)		2 (Mic, line-out), default in 1 PCI slot			
1 VGA + 1 DVI					
VGA: Up to 2048 × 1536 at 60 Hz, DVI: Up to 1920 × 1200 at 60 Hz					
1 DVD-RW drive					
System reset output, programmable 1...255 s/min					
Yes					
2U in 19" HMIR enclosure (1)		4U in 19" HMIR enclosure (1)			
482 × 88.4 × 523.8 mm/18.98 × 3.48 × 20.68 in.		482 × 172.7 × 601.4 mm/18.98 × 6.8 × 23.68 in.			
IP40					
Conforming to IEC 60068-2-2: 0...40 °C/32...104 °F					
Conforming to IEC 60068-2-2: -40...70 °C/-40...158 °F					
Conforming to IEC 60068-2-78: 10...95% at 40 °C/104 °F, non-condensing					
Conforming to IEC 60068-2-78: 10...95% at 60 °C/140 °F, non-condensing					
Conforming to IEC 60068-2-6: 1 g from 5...500 Hz (except for HDD drive)					
Conforming to IEC 60068-2-27: 10 g/11 ms, half sine wave (except for HDD drive)					
CE, cULus (UL 60950-1, CSA 22.2 No. 60950-1-07), CCC, RMC					
Complete range of Magelis iDisplay screens (see page 6/5)					
☐ Vijeo Designer Run Time Demo (21-day trial version) to be installed from Software DVD. Unlimited license to be ordered separately (3).					
☐ Vijeo XD Run Time demo to be installed and activated by unlimited license HMIRTM CZLSPMZ.					
–	Citect SCADA DVD for SCADA applications	–	PES leaflet	Citect SCADA DVD for SCADA applications	PES leaflet with Windows Server 2012 R2 only
HMIRSUH3A3701	HMIRSUS3A3701	HMIRSPHX6701	HMIRSPHX67P1	HMIRSPFX6701	HMIRSPFXR6702
–	–	–	–	–	–
–	–	–	–	–	HMIRSPSXR6S01
–	–	–	–	–	HMIRSPSXR6T01

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(4) With 5-year manufacturers warranty and 1.5 million hours MTBF.
(5) Additional software license to be ordered separately.

Industrial PCs

Magelis iPCs for automation

Magelis HMIR Rack PC

HMIR●O Optimized, HMIRSU Universal, and HMIRSP Performance

Presentation

Magelis HMIR Rack PCs are industrial PCs that can be easily installed in a 19" rack enclosure of an automation control room. The HMIRs have:

- Embedded fan speed control for reduced noise
- Hot-swappable drive trays
- Optional redundant RAID hard drive
- Remote system monitor for remote access
- Magelis iDisplay for display screen

The Rack PCs are tested, validated, and supported by Schneider Electric Plant StruXure software: Vijeo Designer and Vijeo XD HMI software, Citect SCADA, and PES Engineering. These PCs offer 4 years of service and minimum 4 years of commercial availability. They can also be extended and substituted to new compliant models.

The Magelis HMIR comprises the following UL60950-certified PCs for various requirements of a plant solution:

- Optimized Rack PC 2U (1): for operator stations and some dedicated applications in clean areas of industrial plants or labs
- Universal Rack PC 2U (1): for local SCADA and operator stations
- Performance Rack PC 4U (1): for Engineering and SCADA servers with redundant power supply and server operating system according to model

Overview of the offer

Magelis HMIR●O Optimized 2U (1)

The Optimized HMIRXO Rack PC has an Intel Core G540 dual-core CPU (2.5 GHz) on a Micro ATX motherboard, with:

- 2 GB DDR3 RAM (default mounted), user-expandable up to 32 GB in 4 slots
- 3.5" storage slots: 1 internal SATA3 slot and 2 external SATA2 trays
- Expansions: 3 slots for 2 PCI Express® (x8), 1 PCI
- Connection ports: 6 USB 2.0 ports, 2 RS-232 (+ 4 optional), 2 Gigabit Ethernet, 1 VGA, and 1 DVI for video
- 1 optical DVD-RW drive
- Operating systems and storage devices available are:
 - **HMIRXOHC3W01**: Windows® 7 32-bit (WES 7 Premium full blown) on 500 GB HDD, pre-installed
 - **HMIRXOHC3001**: No operating system and HDD
- Power supply: 100...240 V ~ 300 W

The Optimized HMIRSO Rack PC has an Intel Core G850 dual-core CPU (2.9 GHz) on a Micro ATX motherboard, with:

- 2 GB DDR3 RAM (default mounted), user-expandable up to 32 GB in 4 slots
- 3.5" storage slots: 1 internal SATA3 slot and 2 external SATA2 trays
- Expansions: 3 slots for 2 PCI Express (x8), 1 PCI
- Connection ports: 2 USB 2.0, 4 USB 3.0, 2 RS-232 (+ 4 optional), 2 Gigabit Ethernet, 1 VGA, 1 DVI, and 1 display port for video
- 1 optical DVD-RW drive
- Operating system: Windows 7 64-bit (WES 7 Premium full blown) on 500 GB HDD, pre-installed
- Power supply: 100...240 V ~ 300 W

Magelis HMIRSU Universal 2U (1)

The Universal HMIRSU Magelis Rack PC has an Intel Core i3-2120 dual-core CPU (3.3 GHz) on a Micro ATX motherboard, with:

- 4 GB DDR3 RAM (default mounted), user-expandable up to 32 GB in 4 slots
- 3.5" storage slots: 2 external SATA2 and 2 external SATA4 trays
- Free expansions: 3 slots for 2 PCI Express (x16), 1 PCI
- Connection ports: 2 USB 2.0, 4 USB 3.0, 2 RS-232 (+ 4 optional), 2 Gigabit Ethernet, Audio ports, 1 VGA, 1 DVI, and 1 display port for video
- 1 optical DVD-RW drive
- Operating system: Windows 7 64-bit (Ultimate multi-language installed)
- Storage devices available are:
 - **HMIRSUH3A3701**: 1x 500 GB Enterprise 24/7 HDD in a tray slot
 - **HMIRSUS3A3701**: 1x 80 GB SSD (5-year manufacturer warranty and 2 million hours MTBF) pre-installed in a tray slot (2)
- Power supply: 100...240 V ~ 300 W

(1) Rack 2U or 4U is a unit used to measure the height of an equipment that will be mounted in a 19" rack enclosure. 1 unit = 44.45 mm/1.75 in. high.

(2) Recommended for SCADA applications and delivered with Citect SCADA DVD. For more information, see page 5/6.



Optimized Magelis Rack PC



Universal Magelis Rack PC



Performance Magelis Rack PC

Presentation (continued)

Magelis HMIRSP Performance 4U (1)

The Performance HMIRSP Rack PC has an Intel Xeon E3-1225 quad-core CPU (3.1 GHz) on an ATX motherboard, with:

- RAM, user-expandable up to 32 GB in 4 slots
- 3.5" storage slots: 1 internal SATA3 and 4 free external SATA2 trays
- Expansions: 4 PCI Express (x16), 3 PCI with 1 PCI slot used for removable audio connections
- Connection ports: 4 USB 2.0, 2 USB 3.0, 1 RS-232 (+ 4 optional), 2 Gigabit Ethernet, 1 VGA, and 1 DVI port for video
- 1 optical DVD-RW drive

Depending on the HMIRSP model, various default RAMs, storage devices, operating systems, power supplies, and software bundles are available:

- **HMIRSPHXA6701**: 4 GB DDR3 RAM (default mounted), 1x 500 GB Enterprise 24/7 HDD in a tray slot, Windows 7 64-bit (Ultimate MUI) operating system, single 100...240 V ~ power supply 500 W
- **HMIRSPHXA67P1** (2): 16 GB DDR3 RAM (default mounted), 1x 500 GB Enterprise 24/7 HDD in a tray slot, Windows 7 64-bit (Ultimate MUI) operating system, single 100...240 V ~ power supply 500 W
- **HMIRSPFXA6701** (3): 4 GB DDR3 RAM (default mounted), 1x 80 GB SSD (5-year manufacturer warranty and 2 million hours MTBF) in a tray slot, Windows 7 64-bit (Ultimate MUI) operating system, single 100...240 V ~ power supply 500 W
- **HMIRSPFXR6702** (3): 4 GB DDR3 RAM (default mounted), 1x 80 GB SSD (5-year manufacturer warranty and 2 million hours MTBF) in a tray slot, Windows 7 64-bit (Ultimate MUI) operating system, redundant 100...240 V ~ power supply 500 W
- **HMIRSPSXR6S01** (4): 8 GB ECC RAM (default mounted), 2x 500 GB Enterprise 24/7 HDD in redundant RAID configuration installed in 2 tray slots, Windows server 2008 standard R2 operating system including 5 clients, redundant 100...240 V ~ power supply 500 W
- **HMIRSPSXR6T01** (4): 8 GB ECC RAM (default mounted), 2x 500 GB Enterprise 24/7 HDD in redundant RAID configuration installed in 2 tray slots, Windows Server 2012 R2 operating system including 5 clients, redundant 100...240 V ~ power supply 500 W

Storage drive trays and redundant Raid HDD

Magelis HMIRs have hot-swappable front trays for storage devices. These trays can be used for a redundant Raid HDD configuration. The Rack PC chipset supports Intel Rapid Storage Technology with internal RAID feature so that when 2 HDDs are available in trays, the RAID can be configured in 2 steps:

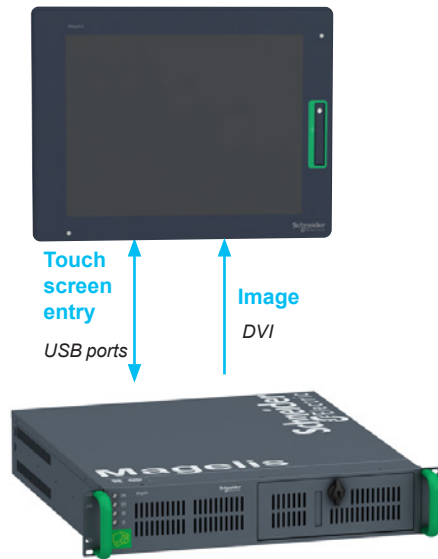
- 1 Assign RAID via the configuration menus in the BIOS.
- 2 Adjust the RAID configuration options in the Intel Rapid Storage software provided.

Remote monitoring system for Magelis HMIR Rack PCs

Magelis HMIRs can be monitored remotely by installing the Remote Monitoring application provided on any PC. Several Magelis Rack PCs can be monitored for:

- Managing system recovery (backup and restore) and On/Off (e.g., overnight for energy saving)
- Monitoring system parameters such as network connection, system/CPU temperatures, fan speeds, and system voltages
- Configuring alerts via a popup, message, sound, or buzzer with event log entry and system shutdown
- Displaying e-mail alerts and function logs

- (1) Rack 2U or 4U is a unit used to measure the height of an equipment that will be mounted in a 19" rack enclosure. 1 unit = 44.45 mm/1.75 in. high.
- (2) Dedicated model for running PlantStruxure Process Expert as an engineering workstation. For more information, see page 5/6.
- (3) Recommended for SCADA applications and delivered with Citect SCADA DVD. For more information, see page 5/6.
- (4) Dedicated model for Windows Server operating system.



Connection between Magelis Optimized Rack PC and Magelis iDisplay

Presentation (continued)

Magelis iDisplay monitor for Magelis HMIR Rack PCs

Magelis Rack PCs can use a Magelis iDisplay monitor as a display screen by connecting via USB, VGA, or DVI ports. This monitor can be mounted in the cut-out that is created in the front of an enclosure door.

The HMIDID Magelis iDisplay models are 12" or 15" multi-touch screens, with 16 million colors and IP67f front panel protection. Depending on the model, they are certified for UL508, UL Hazardous Locations and Marine. For more information on Magelis iDisplay screens, see page 6/5.

Software bundles for Magelis HMIR Rack PCs

Vijeo Designer/Vijeo XD and Magelis Rack PC bundles (1)

Magelis Rack PCs are supported by Schneider Electric HMI software for automation. Vijeo Designer RT or Vijeo XD RT can be installed from the Vijeo Designer or Vijeo XD DVD included with Magelis HMIRs. Vijeo Designer RT can be upgraded to the unlimited version with an additional **VJDSNRTMPC** license (2). Vijeo XD can also be upgraded to the unlimited version with an additional **HMIRTM CZLS PMZZ** license.

Citect SCADA and Magelis HMIR bundles

The Citect SCADA and Magelis HMIR bundle, recommended for SCADA applications comprises:

- Dedicated models **HMIRSUS3A3701**, **HMIRSPFXA6701**, and **HMIRSPFXR6702** delivered with 4 GB RAM, 80 GB SSD (5-year manufacturer warranty and 2 million hours MTBF, allowing numerous read/write operations), and Windows 7 64-bit operating system
- Citect SCADA DVD is for installation only
- Recommended user upgrade of default 4 GB RAM in 1 slot with installation of additional **HMIYPRAM3040R1** 4 GB DDR3 RAM expansion in 2nd slot (3)
- Licenses for software activation have to be ordered separately-

PlantStruxure and Magelis HMIR bundles

The PlantStruxure and Magelis HMIR (used as an engineering workstation) bundle comprises:

- Dedicated models:
 - **HMIRSPHXA67P1** with 16 GB RAM (default mounted) and Windows 7 64-bit operating system
 - **HMIRSPSXR6T01** with 8 GB RAM (default mounted) (4) and Windows Server 2012 R2
- Leaflet with instructions for downloading Process Expert software (PES) from the website
- PES licenses for software activation have to be ordered separately. For more information, please contact our Customer Care Center.
- Additional part numbers with pre-installed PES software are available in the PES catalog.

Actassi 19" rack enclosure for Magelis HMIR mounting

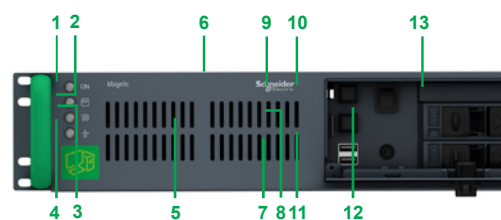
Magelis Rack PCs can be mounted on Actassi 19" Rack enclosures. Depending on the Rack PC model weight, additional mounting accessories such as fixed slides/long slides may be required. For more information on Actassi 19" enclosures and mounting accessories, please refer to our website www.schneider-electric.com.

(1) As Magelis Rack PC does not have SRAM, it is recommended to save data on a storage drive (USB stick or SSD) to avoid data loss.

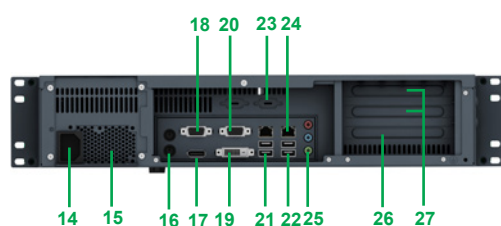
(2) Vijeo Designer RT is not supported on the Windows Server operating system.

(3) 8 GB RAM is recommended for running Citect SCADA as a server.

(4) 16 GB RAM is recommended to run PES. User can upgrade with 2x 4 GB RAM ECC HMIYPRAME040R1.



Front view of Optimized Magelis Rack PC



Rear view of Optimized Magelis Rack PC

Description

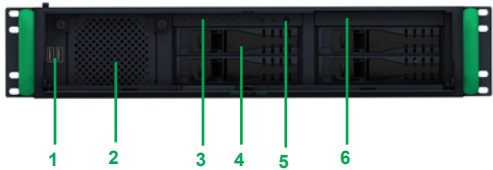
Magelis HMIR●O Optimized 2U

Front view

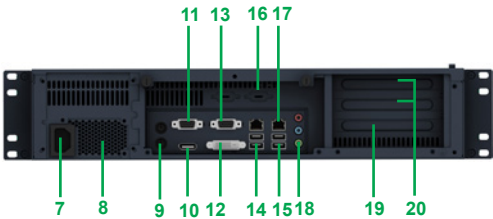
- 1 Power LED
- 2 HDD LED
- 3 Temperature LED
- 4 Fan LED
- 5 2 fans
- 6 SATA3 3.5" internal drive
- 7 2 USB 2.0 ports (USB1 and USB2)
- 8 System reset button
- 9 Alarm reset button
- 10 Power supply switch
- 11 KB/MS connector
- 12 2x 3.5" hot-swap hard disk trays (RAID configuration required for hot-swapping the operating system)
- 13 Slim optical drive bay

Rear view

- 14 Power connector
- 15 Power supply unit
- 16 KB/MS connector
- 17 Display port connector
- 18 Serial port connector
- 19 DVI connector
- 20 VGA connector
- 21 2 USB 3.0 ports
- 22 2 USB 3.0 ports
- 23 2 spare Sub-D9 slots
- 24 2 LAN ports
- 25 Audio port
- 26 PCI expansion slot
- 27 2 PCI Express expansion slots (x8/x16)



Front view of Universal Magelis Rack PC



Rear view of Universal Magelis Rack PC

Description (continued)

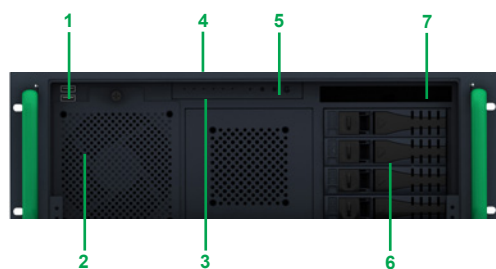
Magelis HMIRSU Universal 2U

Front view

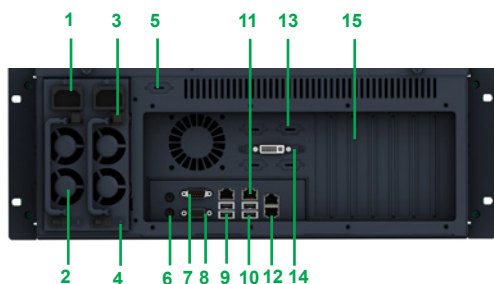
- 1 2 USB 2.0 ports
- 2 Front-accessible fan
- 3 5 LED indicators (power, HDD/temperature/fan)
- 4 2x 3.5" hot-swappable hard disk trays (RAID configuration required for hot-swapping the operating system)
- 5 3 buttons (Alarm reset/System reset/Power)
- 6 Slim optical drive bay

Rear view

- 7 Power connector
- 8 Power supply unit
- 9 KB/MS connector
- 10 Display port connector
- 11 Serial port connector
- 12 DVI connector
- 13 VGA connector
- 14 2 USB 3.0 ports
- 15 2 USB 3.0 ports
- 16 2 spare Sub-D9 slots
- 17 2 LAN ports
- 18 Audio port
- 19 PCI expansion slot
- 20 2 PCI Express expansion slots (x8/x16)



Front view of Performance Magelis Rack PC



Rear view of Performance Magelis Rack PC
(redundant power supply)

Description (continued)

Magelis HMIRSP Performance 4U

Front view

- 1 2 USB 2.0 ports
- 2 Front-accessible fan
- 3 6 LEDs
- 4 SATA3 3.5" internal drive
- 5 4 switches/buttons
- 6 4x 3.5" hot-swappable hard disk trays(RAID configuration required for hot-swapping the operating system)
- 7 Slim optical drive bay

Rear view with redundant power supply

- 1 2 power supply connectors (1)
- 2 2 power supply units (2)
- 3 Button
- 4 LED
- 5 Spare Sub-D9 slot
- 6 KB/MS connector
- 7 Serial port connector
- 8 VGA connector
- 9 2 USB 2.0 ports
- 10 2 USB 3.0 ports
- 11 2 LAN ports
- 12 2 spare LAN ports
- 13 4 spare Sub-D9 slots for additional RS-232 with **HMIYRINSL41** accessory kit
- 14 DVI connector
- 15 Expansion slots (max. 7): 2 PCI Express (x4) and 2 PCI Express (x8/x16) and 3 PCI. By default, audio ports are mounted on 1 slot

(1) Only one power supply connector for Rack PCs with single power supply.

(2) Only one power supply unit for Rack PCs with single power supply.

Industrial PCs

Magelis iPCs for automation

Magelis HMIR Rack PC

HMIR●O Optimized, HMIRSU Universal, and HMIRSP Performance



HMIRXOHC3001

Magelis HMIR●O Optimized 2U

Intel Core G540 (2.5 GHz) processor for HMIRXO/G850 (2.9 GHz) processor for HMIRSO/DDR3 RAM/AC power supply

PCIe/PCI expansion slots	Operating system	Software	Storage drives and slots	DDR3 RAM	Reference	Weight kg/lb
2 PCI Express (x8) + 1 PCI	Windows 7 32-bit (WES 7 Premium full version)	—	HDD ≥ 500 GB consumer internal + 2 free trays for hot-swapping	2 GB	HMIRXOHC3W01	12.20/26.90
2 PCI Express (x8) + 1 PCI	—	—	—	2 GB	HMIRXOHC3001	12.20/26.90
2 PCI Express (x8) + 1 PCI	Windows 7 64-bit (WES 7 Premium full version)	—	HDD ≥ 500 GB Enterprise 24/7 internal + 2 free trays for hot-swapping	2 GB	HMIRSOHPA3W01	12.20/26.90



HMIRSUH3A3701

Magelis HMIRSU Universal 2U

Intel Core i3-2120 processor (3.3 GHz)/DDR3 RAM/AC power supply

PCIe/PCI expansion slots	Operating system	Software	Storage drives and slots	DDR3 RAM	Reference	Weight kg/lb
2 PCI Express (x16) + 1 PCI	Windows 7 64-bit (Ultimate MUI)	—	HDD ≥ 500 GB Enterprise 24/7, in first of 4 trays for hot-swapping	4 GB	HMIRSUH3A3701	14.50/31.97
2 PCI Express (x16) + 1 PCI	Windows 7 64-bit (Ultimate MUI)	Citect SCADA DVD (4)	SSD ≥ 80 GB, in first of 4 trays for hot-swapping	4 GB	HMIRSUS3A3701	14.50/31.97



HMIRSPFXA6701

Magelis HMIRSP Performance 4U

Intel Xeon™ E3-1225 processor (3.2 GHz)/DDR3 or ECC RAM/AC power supply

PCIe/PCI expansion slots	Operating system	Software	Storage slots and drives	RAM	Reference	Weight kg/lb
4 PCI Express (x16) + 3 PCI (3)	Windows 7 64-bit (Ultimate MUI)	—	HDD ≥ 500 GB Enterprise 24/7 internal + 4 free trays for hot-swapping	4 GB DDR3	HMIRSPHXA6701 (1)	20.80/45.86
4 PCI Express (x16) + 3 PCI (3)	Windows 7 64-bit (Ultimate MUI)	PES leaflet	HDD ≥ 500 GB Enterprise 24/7 internal + 4 free trays for hot-swapping	16 GB DDR3	HMIRSPHXA67P1 (1)	20.80/45.86
4 PCI Express (x16) + 3 PCI (3)	Windows 7 64-bit (Ultimate MUI)	Citect SCADA DVD (4)	SSD ≥ 80 GB internal + 4 free trays for hot-swapping	4 GB DDR3	HMIRSPFXA6701 (1)	20.80/45.86
4 PCI Express (x16) + 3 PCI (3)	Windows 7 64-bit (Ultimate MUI)	Citect SCADA DVD (4)	SSD ≥ 80 GB internal + 4 free trays for hot-swapping	4 GB DDR3	HMIRSPFXR6702 (2)	20.80/45.86
4 PCI Express (x16) + 3 PCI (3)	Windows Server 2008 R2 standard including 5 clients	—	2 HDD ≥ 500 GB Enterprise 24/7 in 2 hot-swap trays + 2 free trays for hot-swapping + 1 free internal SATA slot	8 GB ECC	HMIRSPSXR6S01 (2)	24.20/53.35
	Windows Server 2012 R2 standard including 5 clients	PES leaflet			HMIRSPSXR6T01 (2)	24.20/53.35

(1) Single AC power supply, 500 W.

(2) Redundant AC power supply, 500 W.

(3) By default, audio ports are mounted on 1 PCI slot.

(4) Citect SCADA DVD is only for installation. Software activation license to be ordered separately.

Industrial PCs

Magelis iPCs for automation

Magelis HMIR Rack PC

Separate components

Separate components						
Description	Details	Compatible with Magelis HMIR Rack PC			Reference	Weight
		HMIR eo O Optimized	HMIRSU Universal	HMIRSP Performance		
Storage disks, expansion RAM, peripheral equipment						
HDD with mounting screws	500 GB (Enterprise 24/7), blank	All models			HMIYHDD500R1	—
	1 TB (Enterprise 24/7), blank	All models			HMIYHDD01TR2	—
SSD with mounting screws	80 GB MLC (5-year warranty and 2 million hours MTBF)	All models			HMIYSSDS080S1	—
	160 GB MLC (5-year warranty and 2 million hours MTBF)	All models			HMIYSSDS160S1	—
	240 GB MLC (5-year warranty and 2 million hours MTBF)	All models			HMIYSSDS240S1	—
Power cable China	China type power cable	All models			HMIYRCABPWRCN1	—
4 Serial Lines kit for Rack 2U	Optional kit with 4 cables for motherboard connection, 2 PCI brackets, and 2 communication ports	All models		—	HMIYRINSL21	—
4 Serial Lines kit for Rack 4U	Optional kit with 1 PCB for motherboard connection, screws, and 2 × 2 m cables and 2 communication ports for spare housing	—		All models	HMIYRINSL41	—
Expansion RAM 4 GB for HMIR	4 GB DDR3	All models except HMIRSPSXR6S01			HMIYPRAM3040R1	—
Expansion RAM 8 GB for HMIR	8 GB DDR3	All models except HMIRSPSXR6S01			HMIYPRAM3080R1	—
Expansion RAM 4 GB for Rack server	4 GB ECC	—		HMIRSPSXR6S01	HMIYPRAME040R1	—
Expansion RAM 8 GB for Rack server	8 GB ECC	—		HMIRSPSXR6S01	HMIYPRAME080R1	—
Maintenance kit						
Maintenance kit for Rack PC 2U	USB cable, fans, holders, filters, motherboard screws, HDD screws, SATA cables, and door keys	All models	—		HMIYRMKT2O1	—
Maintenance kit for Rack PC 2U		—	All models	—	HMIYRMKT2U1	—
Maintenance kit for Rack PC 4U		—		All models	HMIYRMKT4P1	—
Power supply						
300 W power supply for Rack PC 2U	Spare single 110-240 V ~ power supply	All models		—	HMIYRMAC21	—
500 W power supply for Rack PC 4U		—		HMIRSPHXA6701 HMIRSPHXA67P1 HMIRSPFXA6701	HMIYRMAC41	—
500 W redundant power supply for Rack PC 4U	Spare redundant 110-240 V ~ power supply	—		HMIRSPFXR6702 HMIRSPSXR6S01	HMIYRMRC41	—
Software						
Vijeo Designer RT license for 1 workstation	Converts the 21-day trial version of Vijeo Designer RT Demo to an unlimited license	All models			VJDSNRTMPC	—
Intelligent Data Service license extension for Vijeo Designer RT for 1 workstation	Used to track the process variables and all operator actions, and offers visibility of the key process values	All models (requires storage capacity ≥ 4 GB)			VJDSNTRCKV60M	—
Vijeo XD RT license for 1 workstation	Converts the 21-day trial version of Vijeo XD RT Demo to an unlimited license	All models			HMIRTM CZLSPMZZ	—

Magelis™ HMIDID iDisplay screens

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Industrial PCs
Magelis HMIDID iDisplay screens for automation
12" and 15" flat screens

Type of display		Magelis HMIDID iDisplay flat screen	
Model		12" touch screen	
			
Screen	Type	TFT HD LCD color multi-touch resistive screen	
	Size	12.1"	
	Resolution	XGA, 1024 x 768 pixels, 16 million colors	
	Degree of protection	IP66f, IP67f, and UL50E NEMA 4X/13 for the front panel when installed properly in an enclosure	
	Brightness	≥ 400 cd/m² adjustable, 100 level dimming with brightness sensor	
	Backlight	50,000 hours	
Interface	On the front panel	1 USB 2.0 (Type A)	
	Other	☐ 1 DVI-D video (DVI-D 24 pin socket) ☐ 1 USB 2.0 (Type B) from touch screen to PC ☐ Supplied with 5 m/16.4 ft DVI-D and USB cables	
Standards and certifications		CE Europe, RCM Australia, UL 508 and CSA C22.2 No142, Industrial Control Equipment, ANSI/ISA 12.12.01 and CSA C22.2 No213 Class I, Division 2 Hazardous Locations, IECEx/ATEX for use in zones 2/22, EAC (Russia, Belarus, Kazakhstan), KC (Korea Certification)	
Marine certifications		BV, CCS (1), DNV, GL, LR, RINA (1), ABS	
Supply voltage		12...24 V ---	
Power consumption		17 W max.	
Mounting		Panel on front enclosure or VESA 100 x 100 on the rear of iDisplay	
Dimensions	Overall dimensions (W x H x D)	315 × 241 × 67 mm/12.40 × 9.50 × 2.64 in.	
	Cut-out (W x H)	301.5 × 227.5 mm/11.87 × 8.96 in.	
Temperature	During operation	0...60 °C/32...140 °F, according to EN 61131-2 and UL	
	During storage	-20...60 °C/-4...140 °F	
Shock resistance		IEC/EN 61131-2 compliant: ■ 147 m/s² ■ X, Y, Z directions tested 3 times	
Vibration resistance		Conforming to JIS B 3501 and IEC 61131-2 standards: ■ 5...9 Hz, 3.5 mm fixed amplitude ■ 9...150 Hz: constant acceleration of 1 g (9.8 m/s²) ■ X, Y, Z directions tested 10 times (100 minutes)	
References		HMIDID64DTD1	
Page		6/5	

(1) For more information, please refer to Magelis Display Adapter on page 3/18.

Magelis HMIDID iDisplay flat screen	Magelis HMIDAD Display Adapter
15" touch screen	
 	
TFT HD LCD color multi-touch resistive screen	According to Magelis HMIDM Modular Display mounted on front (1)
15"	
XGA, 1024 x 768 pixels, 16 million colors	
IP66f, IP67f, and UL50E NEMA 4X/13 for the front panel when installed properly in an enclosure	
≥ 400 cd/m² adjustable, 100 level dimming with brightness sensor	
50,000 hours	
1 USB 2.0 (Type A)	According to Magelis HMIDM Modular Display mounted on front (1)
☐ 1 DVI-D video (DVI-D 24 pin socket) ☐ 1 USB 2.0 (Type B) from touch screen to PC ☐ Supplied with 5 m/16.4 ft DVI-D and USB cables	☐ 1 Display Port video ☐ 1 USB 2.0 (Type B) from touch screen to PC
C€ Europe, RCM Australia, UL 508 and CSA C22.2 No142, Industrial Control Equipment, ANSI/ISA 12.12.01 and CSA C22.2 No213 Class I, Division 2 Hazardous Locations, IECEx/ATEX for use in zones 2/22, EAC (Russia, Belarus, Kazakhstan), KC (Korea Certification)	C€, cULus, cULus CSA 22-2 No 142, cULus HazLoc Class I Division 2 ANSI/ISA 12-12-01, cULus HazLoc Class I Division 2 CSA 22-2 No 213, ATEX and IECEx Hazardous Locations 3GD Zone 2/22, FCC (part 15 EMC Class A), CCC
BV, CCS (1), DNV, GL, LR, RINA (1), ABS	–
12...24 V $\overline{\text{---}}$	24 V $\overline{\text{---}}$ or 100...240 V $\sim$ with external power adapter
21 W max.	According to Magelis HMIDM Modular Display mounted on the front (1)
Panel on front enclosure or VESA 100 X 100 on the rear of iDisplay	Panel on front enclosure or VESA 100 X 100 on the rear of the Display Adaptor
397 × 296 × 67 mm/15.63 × 11.65 × 2.64 in.	According to Magelis HMIDM Modular Display mounted on front (1)
383.5 × 282.5 mm/15.10 × 11.12 in.	
0...60 °C/32...140 °F, according to EN 61131-2 and UL	0...55 °C/32...131 °F
-20...60 °C/-4...140 °F	-30...70 °C/-22...158 °F
IEC/EN 61131-2 compliant: ■ 147 m/s² ■ X, Y, Z directions tested 3 times	–
Conforming to JIS B 3501 and IEC 61131-2 standards: ■ 5...9 Hz, 3.5 mm fixed amplitude ■ 9...150 Hz: constant acceleration of 1 g (9.8 m/s²) ■ X, Y, Z directions tested 10 times (100 minutes)	Random vibration 5...500 Hz: 2 G
HMIDID73DTD1	HMIDADP11
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Industrial PCs

Magelis HMIDID iDisplay screens for automation
12" and 15" flat screens



HMIDID73DTD1

Presentation

Magelis HMIDID iDisplay are monitors with industrial flat screens designed for use with PCs. The 4:3 auto-scaler format screens of iDisplay adapt to screen definition. Magelis HMIDID enhances user experience and efficiency by multi-touch support like a smartphone. In addition to panel mounting, Magelis iDisplay also offers VESA 100x100 mounting on the rear side of the product.

Two screen sizes are available: 12" and 15" to suit various requirements.

Magelis HMIDID screens are certified for PLC product standards and designed for use in severe industrial environments (up to 60 °C, with LED backlight (50,000-hr life) and waterproof front IP67f). They support excellent screen sizes or dimension ratios for easy installation on any machine or in any equipment.

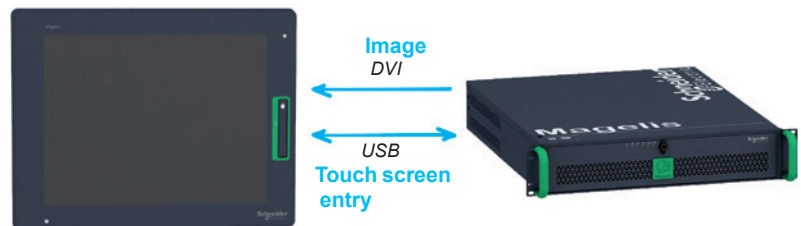
These screens are easily connected to the PC via:

- Standard DVI digital video with auto-scaler
- USB with touch screen drivers (supports up to Windows® 8.1)

Magelis iDisplay screens have the same cut-out dimensions as Magelis HMI Panels, thus making it easy to upgrade installations.

Architecture

Magelis iDisplay screens are compatible with Magelis S-Box PC and Rack PCs (1).



Magelis iDisplay

Magelis Rack PC

Additional option with Display Adapter

Magelis Modular displays can be remotely mounted from the Box PCs or third-party PCs with Magelis HMIDAD Display Adapter. For more information, please see pages 3/19.

(1) For more information, please see pages 4/4 to 4/7 and 5/4 to 5/11.



HMIDID64DTD1

References

Description	Screen	Interface	Supply voltage	Reference	Weight kg/lb
Flat screen for flush mounting, IP66f, IP67f front panel (3)	12", XGA resistive (1024 x 768 pixels)	Multi-touch	12...24 V $\overline{\text{---}}$	HMIDID64DTD1 (1)	3.9/8.6
	15", XGA resistive (1024 x 768 pixels)	Multi-touch	12...24 V $\overline{\text{---}}$	HMIDID73DTD1 (1)	5.2/11.5

Separate parts

Description	Sold in lots of	Reference	Weight kg/lb
Extra-long cable (10 m/32.81 ft) for connection with Magelis Box PC and Magelis Panel PC industrial PCs (2)	—	HMIYCABDVI1011	—
USB clamp Type B (1 port) for Magelis iDisplay	5	HMIYDUSBCA111	—
iDisplay Adaptation plate from 19" to 15"	—	HMIYAD1915D1	—

Substitution

Old industrial PCs

Description	Reference
Magelis iDisplay 15"	
15", XGA	HMIDID7DT0

Replaced by Magelis Box PCs

Description	References
Magelis iDisplay 15" Multi-touch	
15", XGA resistive	HMIDID73DTD1

(1) Supplied with 5 m/16.4 ft DVI cable.

(2) For more information, see page 2/30.

(3) Magelis iDisplay offers VESA 100x100 mounting on the rear of the product.

Vijeo Connect for secure remote access

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Vijeo Connect

Presentation

Vijeo Connect provides a secure connection between remote display units on the work site (via SiteManager Embedded) and computers or smart devices in the office (via LinkManager) over a secure central server (GateManager).

With Vijeo Connect, maintenance personnel can access Schneider Electric software and update it remotely and securely via the HMI, PLC, and other connected devices as if they were on site. Troubleshooting and repair can also be performed remotely upon request.

Vijeo Connect LinkManager client for remote access runs on devices with 32-bit or 64-bit versions of Windows 8, Windows 8.1, Windows 7, and Windows Vista operating systems.

Architecture

The Vijeo Connect solution comprises three components:

- **GateManager:** The GateManager server operates as a central point for the LinkManager and SiteManager users. Both the SiteManager and the LinkManager must be registered with the GateManager before access is provided to the server network. This creates an encrypted connection where the network status is checked between display units and remote computers.

- **SiteManager Embedded (1):** The SiteManager is the embedded component in the existing HMI configuration software. It is the device-monitoring front end for multiple industrial devices in a remote location and enables uninterrupted secure access to GateManager.

It is available to purchase in two license formats:

- Basic, for accessing 1 display unit and registering up to 2 agents per display unit
- Extended, for accessing external IP devices (PLCs, iPCs, Server, Web camera, etc.) on the same network as the display unit and registering five or more agents per unit

- **LinkManager/LinkManager Mobile:** The LinkManager is the client on the remote operators' computer. After installation, the user will be able to securely connect to the GateManager and remotely access the devices represented by the agents on the SiteManager, including the HMI and its connected devices.

LinkManager Mobile is a lightweight version that can be used for Web-enabled devices such as PLCs, smartphones, or tablets to connect to SiteManager.



Vijeo Connect for remote programming access to the HMI and its connected devices

Vijeo Connect compatibility

The following Magelis HMIs are compatible with Vijeo Connect (including SiteManager Embedded):

- Magelis S-Panel iPC (Performance and Optimized)
- Magelis Box iPC (Modular Universal/Performance, S-Box Universal)
- Magelis GTU terminals
- Magelis GTO terminals (2)

(1) The setup method for SiteManager Embedded differs depending on the display unit. For more information, please refer to the Vijeo Connect User Guide available on our website www.schneider-electric.com.

(2) Except for HMIGTO1300 and HMIGTO2300.

HMI configuration software

Vijeo Connect for HMI secure remote access

References

Vijeo Connect is available with the following HMI configuration software:

- Vijeo Designer
- Vijeo XD

For more information on supported software versions, please refer to the Vijeo Connect User Guide or product data sheet available on our website www.schneider-electric.com.

Vijeo Connect Digital licenses

Description	License type	Compatible terminals	Reference
Vijeo Connect 30-day Free Trial	30-day trial version (free)	Magelis GTU Magelis GTO (1) Magelis iPCs	VJOCNTFREE30
Vijeo Connect Secure Remote Access Digital License - Pack 1	1 x Vijeo Connect GateManager 15 x Vijeo Connect SiteManager Embedded BASIC 1 x Vijeo Connect LinkManager 1 x Vijeo Connect LinkManager Mobile		VJOCNTPACK01
Vijeo Connect Secure Remote Access Digital License - Pack 2	1 x Vijeo Connect GateManager 25 x Vijeo Connect SiteManager Embedded BASIC 3 x Vijeo Connect LinkManager 5 x Vijeo Connect LinkManager Mobile		VJOCNTPACK02
Vijeo Connect Secure Remote Access Digital License - Pack 3	1 x Vijeo Connect GateManager 40 x Vijeo Connect SiteManager Embedded BASIC 5 x Vijeo Connect LinkManager 10 x Vijeo Connect LinkManager Mobile		VJOCNTPACK03
Vijeo Connect Pack 1 to 2 Upgrade	Pack 1 to 2 upgrade		VJOCNT1UPG2
Vijeo Connect Pack 1 to 3 Upgrade	Pack 1 to 3 upgrade		VJOCNT1UPG3
Vijeo Connect Pack 2 to 3 Upgrade	Pack 2 to 3 upgrade		VJOCNT2UPG3
Vijeo Connect Pack 2 to 1 Downgrade	Pack 2 to 1 downgrade		VJOCNT2DWG1
Vijeo Connect Pack 3 to 1 Downgrade	Pack 3 to 1 downgrade		VJOCNT3DWG1
Vijeo Connect Pack 3 to 2 Downgrade	Pack 3 to 2 downgrade		VJOCNT3DWG2
Vijeo Connect LinkManager License	LinkManager		VJOCNTLML
Vijeo Connect LinkManager Mobile License	LinkManager Mobile		VJOCNTLMM
5 x Vijeo Connect SiteManager Embedded BASIC licenses	SiteManager Embedded BASIC		VJOCNTSMBASIC
1 x Vijeo Connect SiteManager Embedded EXTENDED license, 5 device agents	SiteManager Embedded EXTENDED		VJOCNTSMEXT5
1 x Vijeo Connect SiteManager Embedded EXTENDED license, 10 device agents	SiteManager Embedded EXTENDED		VJOCNTSMEXT10
Vijeo Connect GateManager Premium Access	GateManager premium access		VJOCNTGMPREM
Vijeo Connect User Statistics Activation			VJOCNTSTAT
Vijeo Connect Termination of pack			VJOCNTTERM
Vijeo Connect User Statistics Termination			VJOCNTENDSTAT
Vijeo Connect 1 Extra Data Traffic over subscription plan			VJOCNTEXT1GB

(1) Except for HMIGTO1300 and HMIGTO2300.

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Human Machine Interface



Schneider Electric Industries SAS

www.schneider-electric.com/hmi

Head Office
35, rue Joseph Monier
F-92500 Rueil-Malmaison
France

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