Industrial PCs
Magelis *i*PCs certified for automation
Magelis Panel PC and Magelis BOX PC

Type of Magelis *i*PC		Magelis Panel PC		
		Optimum range	**Universal range**	
Industrial environments		**Maintenance-free**	**Maintenance-free**	**Standard**
Fanless		★ ★ ★ ★ ★	★ ★ ★ ★ ★	★ ★ ★ ★ ★
Diskless		★ ★ ★ ★ ★	★ ★ ★ ★ ★	–
Colour touch screen	Size	10.4" or 15"	15" or 19"	
CPU *(1)*	Processor	Intel® ATOM™ Z510 (1.1 GHz)	Intel® ATOM™ N270 (1.6 GHz)	
	PCI slot	0	0 or 2	
	Storage	Compact Flash card (SLC technology) and integrated SD card reader	Compact Flash card (SLC technology) or Flash disk (SLC technology SSD)	Hard disk
	RAM	1 GB	1 or 2 GB	
Operating system		Windows® Embedded Standard 2009	Windows® Embedded Standard 2009 or Windows® XP Professional SP3	Windows® XP Professional SP3
Power supply		24 V ⎓	24 V ⎓ or 100…240 V ∼	
Standards and certifications		CE cULus cULus Haz Loc (for 24 V ⎓ Magelis Panel PC only) …		
Marine certification		Bridge Class (for 24 V ⎓ Magelis Panel PC with 15" or 19" touch screen only)	–	
Software		Vijeo Designer Run Time Demo (21-day trial version). Unlimited licence, to be ordered separately (VJDSNRTMPC). Vijeo Citect, depending on the model		
References		HMI PWC● ●●●●●	HMI PUC● ●●●●● HMI PUF● ●●●●●	HMI PUH● ●●●●●
Page		0531Q/2 and 0531Q/3	0532Q/2 to 0532Q/5	
Made-to-order configuration		See configured Magelis Panel PC on page 43666/3		

(1) For other options available (interface for backup battery, etc.) in made-to-order configuration, see pages 43666/3 (Magelis Panel PC) and 43662/8 (Magelis BOX PC).
(2) See pages 0377Q/2 and 0377Q/3.

| Magelis Panel PC | | Magelis BOX PC | | | |
| Performance range | | Universal range | | Performance range | |
Harsh	Standard	Maintenance-free	Standard	Harsh	Standard
–	–	★ ★ ★ ★ ★	–	–	–
★ ★ ★ ★ ★	–	★ ★ ★ ★ ★	–	★ ★ ★ ★ ★	–
15" or 19"		Compatible with all screens in the Magelis *i*Display range *(2)*			
Intel® Core™ 2 Duo P8400 (2.26 GHz) + Intel® GM45 chipset		Intel® ATOM™ N270 (1.6 GHz)		Intel® Core™ 2 Duo P8400 (2.26 GHz) + Intel® GM45 chipset	
0 or 2		1 or 2		2 or 5	
Flash disk (SLC technology SSD)	Hard disk	Compact Flash card (SLC technology) or Flash disk (SLC technology SSD)	Hard disk	Flash disk (SLC technology SSD)	Hard disk
2 or 4 GB		1 or 2 GB		2 or 4 GB	
Windows® 7 Ultimate 64-bit		Windows® Embedded Standard 2009 or Windows® XP Professional SP3	Windows® XP Professional SP3	Windows® 7 Ultimate 64-bit	
24 V ⎓ or 100…240 V ∼		24 V ⎓			
CE cULus cULus Haz Loc (for 24 V ⎓ Magelis Panel PC only) …		CE cULus cULus Haz Loc ATEX Zone 22 …			
–		Bridge Class	–		
Vijeo Designer Run Time Demo (21-day trial version). Unlimited licence, to be ordered separately (VJDSNRTMPC) Vijeo Citect, depending on the model					

HMI PPF● ●●●●●	HMI PPH● ●●●●●	HMI BUCN ●●●●● HMI BUFN ●●●●●	HMI BUHN ●●●●●	HMI BPFD ●●●●●	HMI BPHD ●●●●●
0532Q/2 to 0532Q/5		0530Q/2 and 0530Q/3			
See configured Magelis Panel PC on page 43666/3		See configured Magelis BOX PC on page 43662/8			

Industrial PCs
Magelis *i*PCs certified for automation
Magelis Panel PC and Magelis BOX PC

Schneider Electric Magelis iPC

Presentation

The Magelis *i*PC offer includes products certified for automation applications.

This offer includes:
■ Magelis Panel PCs: "All in One" products incorporating an industrial PC and a 10", 15" or 19" colour touch screen, with the following ranges:
□ Optimum (10" or 15" touch screen)
□ Universal (15" or 19" touch screen)
□ Performance (15" or 19" touch screen)
■ Magelis BOX PCs: Industrial PCs with the following ranges:
□ Universal (1 or 2 PCI slots)
□ Performance (2 or 5 PCI slots)
Magelis BOX PCs can be combined with Magelis *i*Displays (see page 0377Q/2).

This Magelis *i*PC offer is suitable for all types of use:
■ In a maintenance-free environment: Fanless Magelis *i*PC (unaffected by dust, no filters to clean, etc.) and without any rotating parts such as a hard disk.
Data storage on Compact Flash card or on Flash disk ensures resistance to vibrations and long life.
■ In a harsh environment: Diskless Magelis *i*PC
■ In a standard environment: Magelis *i*PC with hard disk offering a high storage capacity

Optimized design with the Optimum range

The optimized design of Magelis Optimum Panel PC products provides a maintenance-free offer, certified for automation applications, at an attractive price. This range can be easily integrated into IT systems.
Magelis Optimum Panel PCs are equipped with LCD TFT LED touch screens with 16 million colours, IP 65 front panel protection when mounted on a panel or an enclosure door and:
■ 10.4" (SVGA 800 x 600) or 15" (XGA 1024 x 768) touch screen
■ Fanless Intel® Atom™ Z510 processor (1.1 GHz)
■ Integrated SD card reader
■ 3 USB ports including 1 on the front panel, 2 gigabit Ethernet ports, 1 communication port
■ Windows® Embedded Standard 2009
■ 24 V --- power supply

Modular design for greater flexibility with the Universal and Performance ranges

The modular design of Magelis *i*PCs allows us to offer a complete and coherent range of referenced products with the Universal and Performance ranges.
In addition to the referenced offer, the flexibility offered by the modular design allows Magelis Panel PCs (see page 43662/8) and Magelis BOX PCs (see page 43662/8) to be made to order.

Configuration of the Universal and Performance ranges:
■ Universal range based on the fanless Intel® Atom™ N270 processor (1.6 GHz)
■ Performance range based on the fanless Intel® Core™ 2 Duo P8400 processor (2.26 GHz)
■ Compact Flash card ≥ 4 GB (SLC technology), Flash disk ≥ 32 GB (SLC technology SSD) or hard disk ≥ 250 GB, all interchangeable
■ 5 USB ports including 1 on the front panel and 2 gigabit Ethernet ports
■ Up to 2 DVI ports and 3 communication ports
■ DVD-RW drive depending on the model
■ Different Microsoft operating systems (see page 43663/3)
■ power supply: 24 V --- (all models) and 100…240 V ∿ (Magelis Panel PC only)

Magelis Universal and Performance Panel PCs are equipped with LCD TFT LED touch screens with 16 million colours, IP 65 front panel protection when mounted on a panel or an enclosure door and:
■ 15" (XGA 1024 x 760) or 19" (SXGA 1280 x 1024) touch screen
■ option of having 2 PCI slots

Magelis Universal and Performance BOX PC ranges are available with 1, 2 or 5 PCI slots.

Industrial PCs
Magelis *i*PCs certified for automation
Magelis Panel PC and Magelis BOX PC

Magelis Panel PC Optimum range with 10.4" or 15" touch screen

Magelis Panel PC Universal and Performance ranges with 15" or 19" touch screen

Magelis BOX PC Universal and Performance ranges 1, 2 or 5 PCI slots

Presentation (continued)

Certified for automation applications

Magelis *i*PCs have been designed and manufactured for use in automation applications.
Certifications *(1)*:
■ cULus (UL 508, 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 n°213) *(2)*
■ ATEX Zone 22 (dust) in explosive atmospheres *(2)*
■ Germanischer Lloyd (Bridge Class) for marine applications *(2)*
■ C-Tick, GOST, ϵ

To simplify maintenance, Magelis *i*PCs integrate functions for monitoring the internal temperature of both the fans and the hard disk.

Magelis *i*PC Universal and Performance ranges have options for high availability applications:
■ RAID PCI card with 2 redundant hard disks
■ backup battery (requires the battery-backed power supply interface module)

Their resistance to temperature, vibrations and shock allows them to operate continuously in the most difficult environments.

The durability of the offer and possibilities of service after discontinuation of sales make them suitable for automation applications.

The "book" format and 24 V $\overline{\cdots}$ power supply of Magelis BOX PCs means they can be easily installed in control system enclosures.

Vijeo Designer and Vijeo Citect bundle offer

Magelis *i*PCs are all supplied with the Vijeo Designer Run Time Demo software (21-day trial version) *(3)*.
Magelis *i*PC and Vijeo Citect bundle offers include the DVD with the software and documentation, the USB key with registered user rights and a 1-year support contract. Updates and upgrades are available by providing the key number and subject to the usual conditions.

Integration in IT structures

The 2 built-in Ethernet ports allow the IT and automation data flows to be separated, reinforcing the overall safety of the system.
Magelis *i*PCs run on Microsoft operating systems, allowing:
■ Connection of the full range of PC peripherals
■ Huge data storage capacity
■ Ease of connection to computers and databases
■ Simultaneous operation of several programs:
□ Vijeo Designer Human/Machine Interface and data traceability with Intelligent Data Service
□ Vijeo Citect SCADA supervisor
□ office software including web browsers
□ other software installed by the user

Depending on the model, these operating systems may be:
■ Windows® Embedded Standard 2009, write-protected in normal operating mode so as to avoid any unintended operation
■ Windows® XP Professional SP3
■ Windows® 7 Ultimate 64-bit supporting more than 3 GB of RAM (recommended for SCADA supervisor applications which need significant memory capacity)
Windows® Embedded 7 and Windows® 7 Ultimate 32-bit which are also available in made-to-order configurations (see pages 43666/3 and 43662/8).

(1) All standards and certifications issued by independent bodies can be found and are updated regularly on our website www.schneider-electric.com.
(2) Depending on the model.
(3) Unlimited licence, to be ordered separately (VJDSNRTMPC).

Industrial PCs
Magelis *i*PCs certified for automation
Magelis Panel PC
Optimum range with 10.4" or 15" touch screen

Type		Optimum range - 10.4" touch screen
Industrial environments		**Maintenance-free**

Fanless		★ ★ ★ ★ ★
Diskless		★ ★ ★ ★ ★
Screen	Type	10.4" LCD TFT LED touch screen
	Definition	SVGA 800 x 600, 16 million colours
	Degree of protection	IP 65 front panel protection when mounted on panel or enclosure door
CPU	Processor	Intel® ATOM™ Z510 (1.1 GHz)
	Storage	Operating system: Compact Flash card ⩾ 2 GB (SLC technology) User: integrated SD card reader
	RAM *(1)*	1 GB
	Integrated ports	2 x Ethernet 10/100/1000 Mbps
		1 x USB 2.0 (1 A) on the front panel + 2 x USB 2.0 (1 A) on the underside
		1 x RS232C
Operating system		Windows® Embedded Standard 2009
Power supply	Voltage	24 V ⎓ (± 25%)
	Current	Nominal current 1.9 A. Typical inrush current 3 A, 50 A < 300 µs
Overall dimensions (W x H x D)/Cut-out (W x H)		323 x 260 x 72 mm/Cut-out: 303 x 243 mm
Temperature	Operation	0…50°C, conforming to IEC 61132-2, UL 508
Vibration resistance during operation	Continuous	1.75 mm amplitude from 2…9 Hz, 0.5 g from 9…200 Hz *(2)*
	Non-continuous	3.5 mm amplitude from 2…9 Hz, 1 g from 9…200 Hz *(2)*
	Merchant navy IACS E10	–
Shock resistance	During operation	15 g/11 ms conforming to IEC 60068-2-27 test Ea
Standards and certifications		C€, cULus (UL 508, CSA 22.2 n°142), cULus Haz Loc Class I Div 2 (ANSI/ISA 12.12.01, UL 1604, CSA 22.2 n°213), C-Tick, GOST
Marine certification	Germanischer Lloyd (Bridge Class)	–
Software		Acrobat Reader, Word/Excel/Power Point Viewer, Framework .Net 3.5, Web browser. Vijeo Designer Run Time Demo (21-day trial version). Unlimited licence, to be ordered separately (VJDSNRTMPC). Vijeo Citect Web Client
References		**HMI PWC5 D0E01**
Page		43664/3
Made-to-order configuration		See configured Magelis Panel PC on page 43666/3

(1) Memory capacity not user-expandable; increased capacity available in made-to-order configuration (see page 43666/3).
(2) Conforming to IEC 60068-2-6 Fc.

★ ★ ★ ★ ★

★ ★ ★ ★ ★

15" LCD TFT LED touch screen

XGA 1024 x 768, 16 million colours

IP 65 front panel protection when mounted on panel or enclosure door

Intel® ATOM™ Z510 (1.1 GHz)

Operating system: Compact Flash card ≥ 2 GB (SLC technology)
User: integrated SD card reader

1 GB

2 x Ethernet 10/100/1000 Mbps

1 x USB 2.0 (1 A) on the front panel + 2 x USB 2.0 (1 A) on the underside

1 x RS232C

Windows® Embedded Standard 2009

24 V ⎓ (± 25%)

Nominal current 1.9 A. Typical inrush current 3 A, 50 A < 300 μs

402 x 301 x 72 mm/Cut-out: 383.5 x 282.5 mm

0…50°C, conforming to IEC 61132-2, UL 508

1.75 mm amplitude from 2…9 Hz, 0.5 g from 9…200 Hz *(2)*

3.5 mm amplitude from 2…9 Hz, 1 g from 9…200 Hz *(2)*

1 mm from 3…13.2 Hz, 0.7 g from 13.2…100 Hz, 90 minutes endurance

15 g/11 ms conforming to IEC 60068-2-27 test Ea

CE, cULus (UL 508, CSA 22.2 n°142), cULus Haz Loc Class I Div 2 (ANSI/ISA 12.12.01, UL 1604, CSA 22.2 n°213), C-Tick, GOST

With power supply filter HMI YLFI MAR11

Acrobat Reader, Word/Excel/Power Point Viewer, Framework .Net 3.5, Web browser.
Vijeo Designer Run Time Demo (21-day trial version). Unlimited licence, to be ordered separately (VJDSNRTMPC).
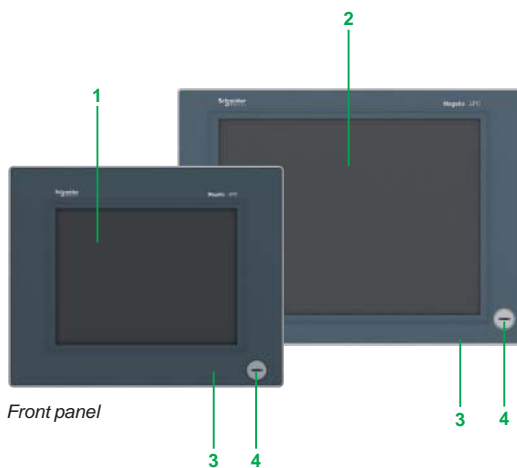Vijeo Citect Web Client

HMI PWC7 D0E01

43664/3

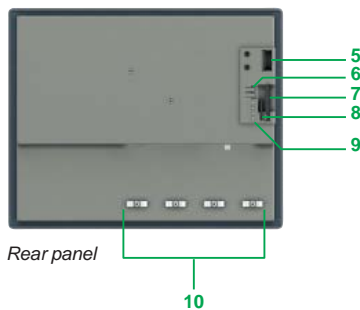See configured Magelis Panel PC on page 43666/3

Industrial PCs
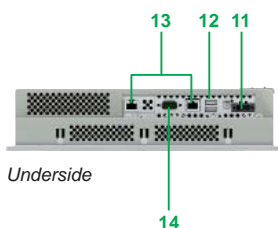## Magelis *i*PCs certified for automation
Magelis Panel PC - Optimum range

10.4" and 15" Magelis Panel PC

Presentation

The Magelis Panel PC Optimum range offers products certified for automation applications.

These products, offering an optimized design at an attractive price, also feature compact dimensions, particularly in terms of depth. They can be easily integrated into IT systems.

This Magelis Panel PC Optimum range is specifically designed for use in maintenance-free environments.

Overview of the Optimum range
Magelis Panel PC Optimum range

The Magelis Panel PC Optimum range is equipped with a fanless Intel® ATOM™ Z510 processor (1.1 GHz) and DDR2 RAM *(2)*.
Available with 10.4" or 15" LCD TFT LED touch screen with 16 million colours, this range is specifically designed for maintenance-free environments (fanless, with a solid state storage disk):
■ HMI PWC5 D0E01 and HMI PWC7 D0E01:
□ IP 65 front panel protection when mounted on a panel or enclosure door
□ Compact Flash card (operating system)/integrated SD card reader (user data)/ Windows® Embedded Standard 2009/24 V ⎓ power supply

Made-to-order Magelis Panel PC Optimum range

On Magelis Optimum Panel PC bases, it is possible to customize the CPU by selecting the capacity of the RAM and the Compact Flash card.

For this HMI PCCW offer, see page 43666/3.

Description
10.4" and 15" Magelis Optimum Panel PC
Front panel

Front panel

1 10.4" LCD TFT LED touch screen (SVGA 800 x 600) with 16 million colours for HMI PCW5 D0E01:
□ Brightness: 450 cd/m² adjustable
□ Type of touch panel: Analog resistive film, 4096 x 4096 resolution
□ Typical viewing angle: 120° (vertically)/160° (horizontally)
2 15" LCD TFT LED touch screen (XGA 1024 x 768) with 16 million colours for HMI PCW7 D0E01:
□ Brightness: 350 cd/m² adjustable
□ Type of touch panel: Analog resistive film, 4096 x 4096 resolution
□ Typical viewing angle: 100° (vertically)/160° (horizontally)
3 Aluminum alloy front panel providing IP 65 front panel protection when mounted on a panel or enclosure door; mounted on 1.6…10 mm bracket using screw fasteners supplied *(3)*
4 USB 2.0 port (1 A max.) with screw-on protective cover; captive protective cover option also available *(1)*

Rear panel

5 Battery
6 2 pushbuttons: 1 for the power supply and 1 for resetting
7 Compact Flash card (SLC technology) ≥ 2 GB dedicated to the operating system
8 SD card reader for user data (SD card not included)
9 4 status and power supply LEDs
10 Cable clamp

Rear panel

Underside

11 24 V ⎓/1.9 A power supply connector
12 2 USB 2.0 ports (1 A max)
13 2 Ethernet 10/100/1000 Mbps ports
14 RS232C port

(1) To be ordered separately (see page 43666/2).
(2) Not user-expandable; increased capacity in made-to-order configuration (see page 43666/3).
(3) Refer to the installation precautions available on our website www.schneider-electric.com.

Underside

Schneider Electric

PF110317

HMI PWC5 D0E01
(screen side)

PF110334

HMI PWC7 D0E01
(screen side)

PF110331

HMI PWC● D0E01
(CPU side)

Magelis Optimum Panel PC - 10.4" or 15" LCD TFT LED touch screen *(1)*
(Intel® ATOM™ Z510 processor (1.1 GHz)/DDR2 RAM/24 V ⎓ power supply) *(2)*

Screen type	Operating system	Software	Storage	DDR2 RAM *(3)*	Reference	Weight kg
For maintenance-free environment						
10.4" LCD TFT LED touch screen SVGA 800 x 600, 16 million colours IP 65 front panel protection when mounted on a panel or enclosure door	Windows® Embedded Standard 2009 *(4)*	Vijeo Designer RT Demo *(5)*	Operating system: Compact Flash ⩾ 2 GB User: 1 SD memory card (not included)	1 GB	**HMI PWC5 D0E01**	4.400
15" LCD TFT LED touch screen XGA 1024 x 768, 16 million colours IP 65 front panel protection when mounted on a panel or enclosure door	Windows® Embedded Standard 2009 *(4)*	Vijeo Designer RT Demo *(5)*	Operating system: Compact Flash ⩾ 2 GB User: 1 SD memory card (not included)	1 GB	**HMI PWC7 D0E01**	6.100

(1) For separate parts, software and external power supply, see page 43666/2.
(2) For an ∿ power supply, an external Phaseo power supply must be used (see page 43666/2).
(3) Memory capacity not user-expandable; increased capacity available in made-to-order configuration (see page 43666/3).
(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*
- *Vijeo Citect Web Client*
- *Vijeo Designer Run Time Demo (5)*

(5) Vijeo Designer RT (Run Time) Demo (21-day trial version). Unlimited licence, to be ordered separately (VJDSNRTMPC) (see page 43666/2).

Industrial PCs
Magelis *i*PCs certified for automation
Magelis Panel PC
Universal and Performance ranges with 15" touch screen

Type		Universal range - 15" touch screen (no PCI slot)		
Industrial environments		**Maintenance-free**		**Standard**

Fanless		★ ★ ★ ★ ★	★ ★ ★ ★ ★	★ ★ ★ ★ ★
Diskless		★ ★ ★ ★ ★	★ ★ ★ ★ ★	–
Screen	Type	15" LCD TFT LED touch screen		
	Definition	XGA 1024 x 768, 16 million colours		
	Degree of protection	IP 65 front panel protection when mounted on panel or enclosure door		
CPU *(1)*	Processor	Intel® ATOM™ N270 (1.6 GHz)		
	PCI slot	–		
	Storage	Compact Flash card ⩾ 4 GB (SLC technology)	Flash disk ⩾ 32 GB (SLC technology SSD)	Hard disk ⩾ 250 GB
	RAM *(2)*	1 GB	HMI PUF7 ●0P01: 1 GB HMI PUF7 D0PL1: 2 GB	1 GB
	Integrated DVD-RW drive	–		
	Slide-in rack for peripheral device	1 x slide-in compact rack for storage disk		
	Integrated ports	2 x Ethernet 10/100/1000 Mbps		
		1 x USB 2.0 (1 A) on the front panel + 4 x USB 2.0 (0.5 and 1 A) at the top		
		2 x RS232C/1 x DVI (VGA RGB adaptor, optional)		
	Optional ports	1 x RS232C/RS422/RS485		
	Optional RAID PCI card	–		
Operating system		Windows® Embedded Standard 2009	Windows® XP Professional SP3	
Overall dimensions (W x H x D)/Cut-out (W x H)		402 x 301 x 4.09 in/Cut-out: 383.5 x 282.5 mm		
Temperature	Operation	0…50°C, conforming to IEC 61132-2, UL 508		
Vibration resistance during operation	Continuous	1.75 mm amplitude from 2…9 Hz, 0.5 g from 9…200 Hz *(3)*		0.125 g from 5...100 Hz
	Non-continuous	3.5 mm amplitude from 2…9 Hz, 1 g from 9…200 Hz *(3)*		0.250 g from 5...100 Hz
	Merchant navy IACS E10	1 mm 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		C€, cULus (UL 508, CSA 22.2 n°142) , cULus Haz Loc Class I Div 2, for 24 V ⎓ Magelis Panel PC only (ANSI/ISA 12.12.01, UL 1604, CSA 22.2 n°213), C-Tick, GOST		
Marine certification	Germanischer Lloyd (Bridge Class)	24 V ⎓ Magelis Panel PC equipped with a power supply filter HMI YLFI MAR11		–
Software	Vijeo Designer Run Time Demo	Vijeo Designer Run Time Demo (21-day trial version). Unlimited licence, to be ordered separately (VJDSNRTMPC)		
References *(1)*	24 V ⎓	**HMI PUC7 D0E01**	**HMI PUF7 D0P01**	**HMI PUH7 D0P01**
	24 V ⎓ Vijeo Citect Lite 1200 I/O	–	**HMI PUF7 D0PL1**	–
	24 V ⎓ Interface for backup battery	–	–	–
	24 V ⎓ Vijeo Citect Full 500 I/O	–	–	–
	100…240 V ∿	–	**HMI PUF7 A0P01**	**HMI PUH7 A0P01**
	100…240 V ∿ Vijeo Citect Full 500 I/O	–	–	–
Page		43665/6		
Made-to-order configuration		See configured Magelis Panel PC on page 43666/3		

(1) Other options available (interface for backup battery, etc.) in made-to-order configuration (see page 43666/3).
(2) Memory capacity not user-expandable; increased capacity available in made-to-order configuration (see page 43666/3).
(3) Conforming to IEC 60068-2-6 Fc.

More technical information on www.schneider-electric.com

Universal range - 15" touch screen (2 PCI slots)		Performance range - 15" touch screen (no PCI slot)		Performance range - 15" touch screen (2 PCI slots)	
Maintenance-free	**Standard**	**Harsh**	**Standard**	**Harsh**	**Standard**
★★★★★	★★★★★	–	–	–	–
★★★★★	–	★★★★★	–	★★★★★	–
15" LCD TFT LED touch screen					
XGA 1024 x 768, 16 million colours					
IP 65 front panel protection when mounted on panel or enclosure door					
Intel® ATOM™ N270 (1.6 GHz)		Intel® Core™ 2 Duo P8400 (2.26 GHz) + Intel® GM45 chipset			
2 (1 PCI + 1 PCI Express®)		–		2 (1 PCI + 1 PCI Express®)	
Flash disk ≥ 32 GB (SLC technology SSD)	Hard disk ≥ 250 GB	Flash disk ≥ 32 GB (SLC technology SSD)	Hard disk ≥ 250 GB	Flash disk ≥ 32 GB (SLC technology SSD)	Hard disk ≥ 250 GB
HMI PUF7 A2P01: 1 GB HMI PUF7 A2PF1: 2 GB	1 GB	HMI PPF7 D0701: 2 GB HMI PPF7 D07F1: 4 GB	2 GB	HMI PPF7 A2701: 2 GB HMI PPF7 A27F1: 4 GB	2 GB
1		–		1	
1 x slide-in compact rack for storage disk (Flash disk or hard disk included) 1 x slide-in rack for DVD-RW drive (supplied) or storage disk via adaptor (optional)		1 x slide-in compact rack for storage disk		1 x slide-in compact rack for storage disk (Flash disk or hard disk included) 1 x slide-in rack for DVD-RW drive (supplied) or storage disk via adaptor (optional)	
2 x Ethernet 10/100/1000 Mbps					
1 x USB 2.0 (1 A) on the front panel + 4 x USB 2.0 (0.5 and 1 A) at the top					
2 x RS232C/1 x DVI (VGA RGB adaptor, optional)					
1 x RS232C/RS422/RS485					
RAID PCI card with 2 redundant hard disks		–		RAID PCI card with 2 redundant hard disks	
Windows® XP Professional SP3		Windows® 7 Ultimate 64-bit			
402 x 301 x 153 mm/Cut-out: 383.5 x 282.5 mm		402 x 301 x 119 mm/Cut-out: 383.5 x 282.5 mm		402 x 301 x 168 mm/Cut-out: 383.5 x 282.5 mm	
0…50°C, conforming to IEC 61132-2, UL 508					
1.75 mm from 2…9 Hz, 0.5 g from 9…200 Hz (3)	0.125 g from 5...100 Hz	1.75 mm from 2…9 Hz, 0.5 g from 9…200 Hz (3)	0.125 g from 5...100 Hz	1.75 mm from 2…9 Hz, 0.5 g from 9…200 Hz (3)	0.125 g from 5...100 Hz
3.5 mm from 2…9 Hz, 1 g from 9…200 Hz (3)	0.250 g from 5...100 Hz	3.5 mm from 2…9 Hz, 1 g from 9…200 Hz (3)	0.250 g from 5...100 Hz	3.5 mm from 2…9 Hz, 1 g from 9…200 Hz (3)	0.250 g from 5...100 Hz
–					
15 g/11 ms conforming to IEC 60068-2-27 test Ea					
C€, cULus (UL 508, CSA 22.2 n°142) , cULus Haz Loc Class I Div 2, for 24 V ⎓ Magelis Panel PC only (ANSI/ISA 12.12.01, UL 1604, CSA 22.2 n°213), C-Tick, GOST					
–					
Vijeo Designer Run Time Demo (21-day trial version). Unlimited licence, to be ordered separately (VJDSNRTMPC)					
–	**HMI PUH7 D2P01**	**HMI PPF7 D0701**	**HMI PPH7 D0701**	–	**HMI PPH7 D2701**
–	–	–	–	–	–
–	–	–	–	–	**HMI PPH7 B2701**
–	–	**HMI PPF7 D07F1**	–	–	–
HMI PUF7 A2P01	**HMI PUH7 A2P01**	–	**HMI PPH7 A0701**	**HMI PPF7 A2701**	**HMI PPH7 A2701**
HMI PUF7 A2PF1	–	–	–	**HMI PPF7 A27F1**	–
43665/6					
See configured Magelis Panel PC on page 43666/3					

More technical information on www.schneider-electric.com

Industrial PCs
Magelis *i*PCs certified for automation
Magelis Panel PC
Universal and Performance ranges with 19" touch screen

Type	Universal range - 19" touch screen (no PCI slot)		
Industrial environments	**Maintenance-free**		**Standard**

		Maintenance-free		Standard
Fanless		★ ★ ★ ★ ★	★ ★ ★ ★ ★	★ ★ ★ ★ ★
Diskless		★ ★ ★ ★ ★	★ ★ ★ ★ ★	–
Screen	Type	19" LCD TFT LED touch screen		
	Resolution	SXGA 1280 x 1024, 16 million colours		
	Degree of protection	IP 65 front panel protection when mounted on panel or enclosure door		
CPU *(1)*	Processor	Intel® ATOM™ N270 (1.6 GHz)		
	PCI slot	–		
	Storage	Compact Flash card ⩾ 4 GB (SLC technology)	Flash disk ⩾ 32 GB (SLC technology SSD)	Hard disk ⩾ 250 GB
	RAM *(2)*	1 GB	HMI PUF9 D0P01: 1 GB HMI PUF9 D0PF1: 2 GB	1GB
	Integrated DVD-RW drive	–		
	Slide-in rack for peripheral device	1 x slide-in compact rack for storage disk		
	Integrated ports	2 x Ethernet 10/100/1000 Mbps		
		1 x USB 2.0 (1 A) on the front panel + 4 x USB 2.0 (0.5 and 1 A) at the top		
		2 x RS232C/1 x DVI (VGA RGB adaptor, optional)		
	Optional ports	1 x RS232C/RS422/RS485		
	Optional RAID PCI card	–		
Operating system		Windows® Embedded Standard 2009	Windows® XP Professional SP3	
Overall dimensions (W x H x D)/Cut-out (W x H)		480 x 380 x 114 mm/Cut-out: 459.5 x 359.5 mm		
Temperature	Operation	0…50°C, conforming to IEC 61132-2, UL 508		
Vibration resistance during operation	Continuous	1.75 mm amplitude from 2…9 Hz, 0.5 g from 9…200 Hz *(3)*		0.125 g from 5...100 Hz
	Non-continuous	3.5 mm amplitude from 2…9 Hz, 1 g from 9…200 Hz *(3)*		0.250 g from 5...100 Hz
	Merchant navy IACS E10	1 mm 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		C€, cULus (UL 508, CSA 22.2 n°142), cULus Haz Loc Class I Div 2, for 24 V ⎓ Magelis Panel PC only (ANSI/ISA 12.12.01, UL 1604, CSA 22.2 n°213), C-Tick, GOST		
Marine certification	Germanischer Lloyd (Bridge Class)	24 V ⎓ Magelis Panel PC equipped with a power supply filter HMI YLFI MAR11		–
Software	Vijeo Designer Run Time Demo	Vijeo Designer Run Time Demo (21-day trial version). Unlimited licence, to be ordered separately (VJDSNRTMPC)		
References *(1)*	24 V ⎓	**HMI PUC9 D0E01**	**HMI PUF9 D0P01**	**HMI PUH9 D0P01**
	24 V ⎓ Vijeo Citect Lite 1200 I/O	–	–	–
	24 V ⎓ Vijeo Citect Full 500 I/O	–	**HMI PUF9 D0PF1**	–
	100…240 V ∼	–	–	**HMI PUH9 A0P01**
	100…240 V ∼ Vijeo Citect Full 500 I/O	–	–	–
Page		43665/8		
Made-to-order configuration		See configured Magelis Panel PC on page 43666/3		

(1) Other options available (interface for backup battery, etc.) in made-to-order configuration (see page 43666/3).
(2) Memory capacity not user-expandable; increased capacity available in made-to-order configuration (see page 43666/3).
(3) Conforming to IEC 60068-2-6 Fc.

More technical information on www.schneider-electric.com

Schneider Electric

Universal range - 19" touch screen (2 PCI slots)		Performance range - 19" touch screen (no PCI slot)		Performance range - 19" touch screen (2 PCI slots)	
Maintenance-free	Standard	Harsh	Standard	Harsh	Standard

★ ★ ★ ★ ★	★ ★ ★ ★ ★	–	–	–	–
★ ★ ★ ★ ★	–	★ ★ ★ ★ ★	–	★ ★ ★ ★ ★	–

19" LCD TFT LED touch screen					
SXGA 1280 x 1024, 16 million colours					
IP 65 front panel protection when mounted on panel or enclosure door					

Intel® ATOM™ N270 (1.6 GHz)		Intel® Core™ 2 Duo P8400 (2.26 GHz) + Intel® GM45 chipset			
2 (1 PCI + 1 PCI Express®)		–		2 (1 PCI + 1 PCI Express®)	
Flash disk ≥ 32 GB (SLC technology SSD)	Hard disk ≥ 250 GB	Flash disk ≥ 32 GB (SLC technology SSD)	Hard disk ≥ 250 GB	Flash disk ≥ 32 GB (SLC technology SSD)	Hard disk ≥ 250 GB
HMI PUF9 A2P01: 1 GB HMI PUF9 A2PF1: 2 GB	1 GB	HMI PPF9 D0701: 2 GB HMI PPF9 D07F1: 4 GB	2 GB	HMI PPF9 A2701: 2 GB HMI PPF9 A27F1: 4 GB	2 GB
1		–		1	
1 x slide-in compact rack for storage disk (Flash disk or hard disk included) 1 x slide-in rack for DVD-RW drive (supplied) or storage disk via adaptor (optional)		1 x slide-in compact rack for storage disk		1 x slide-in compact rack for storage disk (Flash disk or hard disk included) 1 x slide-in rack for DVD-RW drive (supplied) or storage disk via adaptor (optional)	
2 x Ethernet 10/100/1000 Mbps					
1 x USB 2.0 (1 A) on the front panel + 4 x USB 2.0 (0.5 and 1 A) at the top					
2 x RS232C/1 x DVI (VGA RGB adaptor, optional)					
1 x RS232C/RS422/RS485					
RAID PCI card with 2 redundant hard disks		–		RAID PCI card with 2 redundant hard disks	

Windows® XP Professional SP3		Windows® 7 Ultimate 64-bit			

480 x 380 x 153 mm/Cut-out: 459.5 x 359.5 mm		480 x 380 x 129 mm/Cut-out: 459.5 x 359.5 mm		480 x 380 x 168 mm/Cut-out: 459.5 x 359.5 mm	

0…50°C, conforming to IEC 61132-2, UL 508					
1.75 mm from 2…9 Hz, 0.5 g from 9…200 Hz (3)	0.125 g from 5...100 Hz	1.75 mm from 2…9 Hz, 0.5 g from 9…200 Hz (3)	0.125 g from 5...100 Hz	1.75 mm from 2…9 Hz, 0.5 g from 9…200 Hz (3)	0.125 g from 5...100 Hz
3.5 mm from 2…9 Hz, 1 g from 9…200 Hz (3)	0.250 g from 5...100 Hz	3.5 mm from 2…9 Hz, 1 g from 9…200 Hz (3)	0.250 g from 5...100 Hz	3.5 mm from 2…9 Hz, 1 g from 9…200 Hz (3)	0.250 g from 5...100 Hz
–					
15 g/11 ms conforming to IEC 60068-2-27 test Ea					

C€, cULus (UL 508, CSA 22.2 n°142) , cULus Haz Loc Class I Div 2, for 24 V ⎓ Magelis Panel PC only (ANSI/ISA 12.12.01, UL 1604, CSA 22.2 n°213), C-Tick, GOST					
–					

Vijeo Designer Run Time Demo (21-day trial version). Unlimited licence, to be ordered separately (VJDSNRTMPC)					

–	HMI PUH9 D2P01	HMI PPF9 D0701	HMI PPH9 D0701	–	HMI PPH9 D2701
–	–	–	–	–	–
–	–	HMI PPF9 D07F1	–	–	–
HMI PUF9 A2P01	HMI PUH9 A2P01	–	HMI PPH9 A0701	HMI PPF9 A2701	HMI PPH9 A2701
HMI PUF9 A2PF1	–	–	–	HMI PPF9 A27F1	–
43665/8					
See configured Magelis Panel PC on page 43666/3					

More technical information on www.schneider-electric.com

Industrial PCs
Magelis *i*PCs certified for automation
Magelis Panel PC
Universal and Performance ranges

Magelis Panel PC 15" and 19"

Presentation

The Magelis Panel PC Universal and Performance ranges offer products certified for automation applications.

Both ranges, available with 15" or 19" screen, are suitable for all types of use:
- In a maintenance-free environment
- In a harsh environment
- In a standard environment

The modular design of the Panel PCs allows us to offer a complete and coherent range of referenced products with the Universal and Performance ranges.
In addition to the referenced offer, the flexibility offered by the modular design allows Magelis Panel PCs to be made to order (see page 43666/3).

Overview of the range

Magelis Panel PC Universal range *(1) (2)*

The Magelis Universal Panel PC is equipped with a fanless Intel® ATOM™ N270 processor (1.6 GHz) and DDR2 RAM *(3)*.

Available with 15" or 19" LCD TFT LED touch screen, 16 million colours, IP 65 front panel protection when mounted on a panel or enclosure door, this range is designed for the following environments:
- Maintenance-free (fanless, with solid state storage disk):
  □ HMI PUC7 D0E01 and HMI PUC9 D0E01:
    - No PCI slot
    - Compact Flash card/Windows® Embedded Standard 2009
    - 24 V ⎓ power supply
  □ HMI PUF7 D0P01, HMI PUF7 D0PL1, HMI PUF7 A0P01, HMI PUF9 D0P01 and HMI PUF9 D0PF1:
    - No PCI slot
    - Flash disk/Windows® XP Professional SP3
    - 24 V ⎓ or 100…240 V ∼ power supply
  □ HMI PUF7 A2P01, HMI PUF7 A2PF1, HMI PUF9 A2P01 and HMI PUF9 A2PF1:
    - 1 PCI + 1 PCI Express®
    - Flash disk/Windows® XP Professional SP3
    - 100…240 V ∼ power supply
- Standard industrial environments (with hard disk):
  □ HMI PUH7 D0P01, HMI PUH7 A0P01, HMI PUH9 D0P01 and HMI PUH9 A0P01:
    - No PCI slot
    - Hard disk/Windows® XP Professional SP3
    - 24 V ⎓ or 100…240 V ∼ power supply
  □ HMI PUH7 D2P01, HMI PUH7 A2P01, HMI PUH9 D2P01 and HMI PUH9 A2P01:
    - 1 PCI + 1 PCI Express®
    - Hard disk/Windows® XP Professional SP3
    - 24 V ⎓ or 100…240 V ∼ power supply

(1) Types of PCI slot: Half-format PCI 2.2 and half-format PCI Express® 4x
(2) For description, see pages 43665/4 and 43665/5.
(3) Not user-expandable; increased capacity available in made-to-order configuration
(see page 43666/3).

Industrial PCs
Magelis *i*PCs certified for automation
Magelis Panel PC
Universal and Performance ranges

Presentation (continued)

Overview of the range (continued)

Magelis Panel PC Performance range *(1) (2)*

The Magelis Panel PC Performance range features an Intel® Core™ 2 Duo P8400 processor (2.26 GHz) + Intel® GM45 chipset and DDR3 RAM *(3)*.

Available with 15" or 19" LCD TFT LED touch screen, 16 million colours, IP 65 front panel protection when mounted on a panel or enclosure door, this range is designed for the following environments:

■ Harsh industrial environments (with solid state storage disk):
□ HMI PPF7 D0701, HMI PPF7 D07F1, HMI PPF9 D0701 and HMI PPF9 D07F1:
  - No PCI slot
  - Flash disk/Windows® 7 Ultimate 64-bit
  - 24 V ⎓ power supply
□ HMI PPF7 A2701, HMI PPF7 A27F1, HMI PPF9 A2701 and HMI PPF9 A27F1:
  - 1 PCI + 1 PCI Express®
  - Flash disk/Windows® 7 Ultimate 64-bit
  - 100…240 V ∼ power supply
■ Standard industrial environments (with hard disk):
□ HMI PPH7 D0701, HMI PPH7 A0701, HMI PPH9 D0701 and HMI PPH9 A0701:
  - No PCI slot
  - Hard disk/Windows® 7 Ultimate 64-bit
  - 24 V ⎓ or 100…240 V ∼ power supply
□ HMI PPH7 D2701, HMI PPH7 B2701 *(4)*, HMI PPH7 A2701, HMI PPH9 D2701 and HMI PPH9 A2701:
  - 1 PCI + 1 PCI Express®
  - Hard disk/Windows® 7 Ultimate 64-bit
  - 24 V ⎓ or 100…240 V ∼ power supply

Made-to-order Magelis Panel PC Universal and Performance ranges

On Magelis Universal and Performance Panel PC bases, it is possible to customize the CPU by selecting:
■ The capacity of the Compact Flash card and the RAM
■ The number of PCI and PCI Express® slots
■ The operating system and dedicated HMI software
■ Additional assembled options: PCI RAID card with 2 redundant hard disks *(5)*, battery-backed power supply interface module, etc.

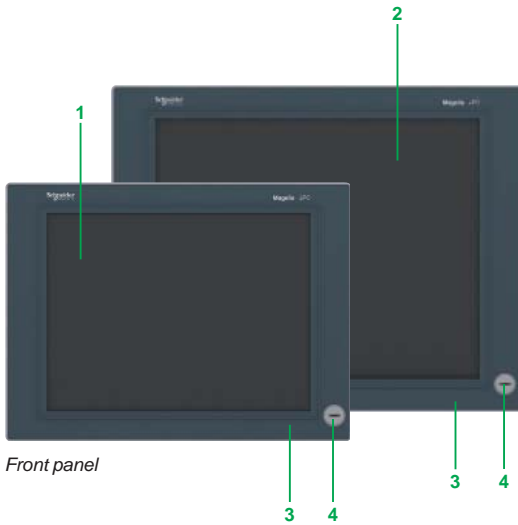For this HMI PCCP offer, see page 43666/3.

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(1) Types of PCI slot: Half-format PCI 2.2 and half-format PCI Express® 4x.
(2) For description, see pages 43665/4 and 43665/5.
(3) Not user-expandable; increased capacity available in made-to-order configuration (see page 43666/3).
(4) Supplied with battery-backed interface module inserted.
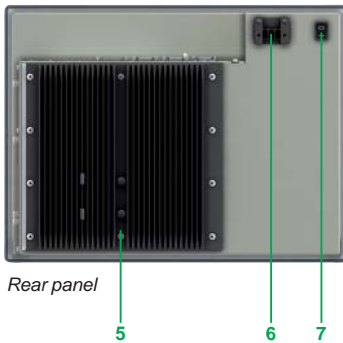*(5) Operating temperature details available on our website www.schneider-electric.com.*

Industrial PCs
Magelis *i*PCs certified for automation
Magelis Panel PC
Universal and Performance ranges

Front panel

Description

Magelis Universal and Performance Panel PC, 15" and 19"
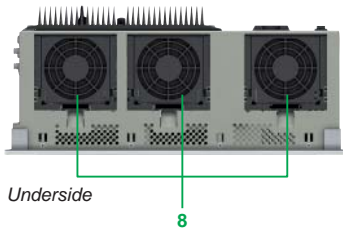
Front panel

1 15" LCD TFT LED touch screen, XGA 1024 x 768, 16 million colours for HMI P●●7 ●●●●●:
□ Brightness: 350 cd/m^2 (adjustable)
□ Type of touch panel: Analog resistive film, 4096 x 4096 resolution
□ Typical viewing angle: 100° (vertically)/160° (horizontally)
2 19" LCD TFT LED touch screen, SXGA 1280 x 1024, 16 million colours for HMI P●●9 ●●●●●:
□ Brightness: 300 cd/m^2 (adjustable)
□ Type of touch panel: Analog resistive film, resolution 4096 x 4096
□ Typical viewing angle: 100° (vertically)/160° (horizontally)
3 Aluminum alloy front panel providing IP 65 front panel protection when mounted on a panel or enclosure door; mounted on 1.6…10 mm bracket using screw fasteners supplied *(1)*
4 USB 2.0 port (1 A max.) with screw-on protective cover; captive protective cover option also available *(2)*

Rear panel

Rear panel

5 Heat sink *(1)*
6 Connector for Panel PC 100…240 V ∿/1.6 A power supply (**HMI ●●●● A●●●●** Panel PC) *(3)*
7 On/off switch for 100…240 V ∿ power supply (Panel PC **HMI ●●●● A●●●●**)

Underside

Magelis Panel PC, 15" or 19"

Underside

8 Fans (**HMI PP●● ●●●●●** Panel PC) *(4)*
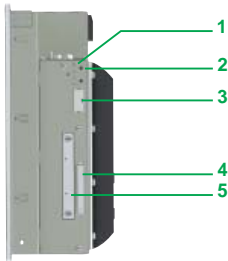Natural convection (**HMI PU●● ●●●●●** Panel PC) *(1)*

(1) Refer to the installation precautions available on our website www.schneider-electric.com.
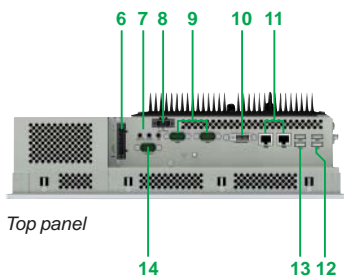*(2) To be ordered separately (see page 43666/2).*
(3) Consumption excluding additional PCI card.
(4) Can be replaced with the Panel PC fan kit by the customer (to be ordered separately, see page 43666/2).
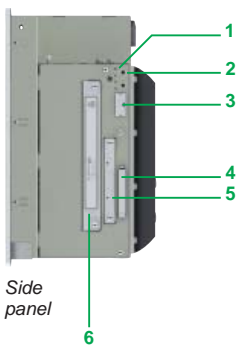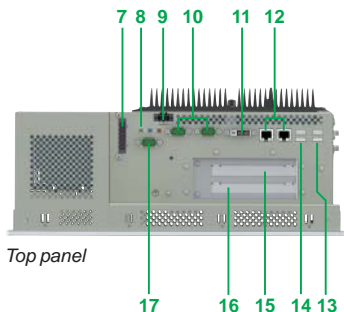
Industrial PCs
Magelis *i*PCs certified for automation
Magelis Panel PC
Universal and Performance ranges

Side panel

Top panel

Magelis Panel PC, 15" or 19", no PCI slot

Description (continued)

Magelis Universal and Performance Panel PC, 15" and 19", no PCI slot

Side panel

1 4 status and power LEDs
2 2 pushbuttons: 1 for the power supply and 1 for resetting
3 Battery
4 Slot for Compact Flash card:
☐ with Compact Flash card (SLC technology) ≥ 4 GB (**HMI PUC● D0E01** Panel PC)
☐ Free slot (**HMI P●F● ●0●●1**, **HMI P●H● ●0●●1** Panel PC**)**
5 Slide-in compact rack:
☐ Free slot (**HMI PUC● D0E01** Panel PC)
☐ With Flash disk (SLC technology SSD) ≥ 32 GB (**HMI P●F● ●0●●1** Panel PC)
☐ With hard disk ≥ 250 GB (**HMI P●H● ●0●●1** Panel PC)

Top panel

6 Free slot for battery-backed power supply interface module *(1)*
7 Micro input, line input/line output
8 Connector for the Panel PC 24 V ⎓/7 A power supply (**HMI P●●● D0●●1** Panel PC) *(4)*
9 2 RS232C ports
10 DVI port - RGB connection with adaptor (**HMI YAD DVI RGB 11**) *(2)*
11 2 Ethernet 10/100/1000 Mbps ports
12 2 USB 2.0 ports (0.5 A max)
13 2 USB 2.0 ports (1 A max.)
14 Free slot for additional RS232C/RS422/RS485 serial link interface (**HMI YBIN SL 11**) *(1)*

Side panel

Top panel

Magelis Panel PC, 15" or 19", 2 PCI slots

Magelis Universal and Performance Panel PC, 15" and 19", 2 PCI slots

Side panel

1 4 status and power LEDs
2 2 pushbuttons: 1 for the power supply and 1 for resetting
3 Battery
4 Free slot for Compact Flash card
5 Slide-in compact rack:
☐ With Flash disk (SLC technology SSD) ≥ 32 GB (**HMI P●F● ●2●●1** Panel PC)
☐ With hard disk ≥ 250 Go (**HMI P●H● ●2●●1** Panel PC)
6 Slide-in rack for DVD-RW drive *(3)*. Can be used for an additional storage disk with adaptor (**HMI YAD SLIDEIN 11**) *(2)*.

Top panel

7 Slot for battery-backed power supply interface module:
☐ Module mounted on **HMI PPH7 B2701** Panel PC
☐ Module not included as standard on other models *(1)*
8 Micro input, line input/line output
9 Connector for Panel PC 24 V ⎓/7 A power supply (**HMI P●●● D2●●1** Panel PC) *(4)*
10 2 RS232C ports
11 DVI port - RGB connection with adaptor (**HMI YAD DVI RGB 11**) *(2)*
12 2 Ethernet 10/100/1000 Mbps ports
13 2 USB 2.0 ports (1 A max.)
14 2 USB 2.0 ports (0.5 A max.)
15 Half-format PCI Express® 4x slot
16 Half-format PCI 2.2 slot
17 Free slot for additional RS232C/RS422/RS485 serial link interface (**HMI YBIN SL 11**) *(1)*

(1) To be ordered separately in made-to-order configuration (see page 43666/3).
(2) To be ordered separately (see page 43666/2).
(3) Operating temperature details available on our website www.schneider-electric.com.
(4) Consumption excluding additional PCI card.

Industrial PCs
Magelis *i*PCs certified for automation
Magelis Panel PC
Universal range - 15" touch screen

HMI PU●7 ●●●●1
(screen side)

HMI PU●7 A0P●1
(CPU side)

HMI PU●7 A2P●1
(CPU side)

HMI PUH7 D2P01
(CPU side)

Magelis Universal Panel PC - 15" LCD TFT LED touch screen *(1) (2)*
(Intel® ATOM™ N270 processor (1.6 GHz)/DDR2 RAM)

Type of power supply PCI slot	Operating system	Software	Storage	DDR2 RAM (3)	Reference	Weight kg
For maintenance-free environment						
24 V ⎓ No PCI slot	Windows® Embedded Standard 2009 (4)	Vijeo Designer RT Demo (5)	Compact Flash ⩾ 4 GB	1 GB	**HMI PUC7 D0E01**	8.900
	Windows XP Professional SP3	Vijeo Designer RT Demo (5)	Flash disk ⩾ 32 GB	1 GB	**HMI PUF7 D0P01**	9.000
		Vijeo Designer RT Demo (5) Vijeo Citect Lite 1200 I/O	Flash disk ⩾ 32 GB	2 GB	**HMI PUF7 D0PL1**	9.000
100…240 V ∼ No PCI slot	Windows XP Professional SP3	Vijeo Designer RT Demo (5)	Flash disk ⩾ 32 GB	1 GB	**HMI PUF7 A0P01**	9.500
100…240 V ∼ 1 PCI + 1 PCI Express®	Windows XP Professional SP3	Vijeo Designer RT Demo (5)	Flash disk ⩾ 32 GB	1 GB	**HMI PUF7 A2P01**	10.900
		Vijeo Designer RT Demo (5) Vijeo Citect Full 500 I/O	Flash disk ⩾ 32 GB	2 GB	**HMI PUF7 A2PF1**	10.900
For standard industrial environment						
24 V ⎓ No PCI slot	Windows XP Professional SP3	Vijeo Designer RT Demo (5)	Hard disk ⩾ 250 GB	1 GB	**HMI PUH7 D0P01**	9.000
24 V ⎓ 1 PCI + 1 PCI Express®	Windows XP Professional SP3	Vijeo Designer RT Demo (5)	Hard disk ⩾ 250 GB	1 GB	**HMI PUH7 D2P01**	10.300
100…240 V ∼ No PCI slot	Windows XP Professional SP3	Vijeo Designer RT Demo (5)	Hard disk ⩾ 250 GB	1 GB	**HMI PUH7 A0P01**	9.500
100…240 V ∼ 1 PCI + 1 PCI Express®	Windows XP Professional SP3	Vijeo Designer RT Demo (5)	Hard disk ⩾ 250 GB	1 GB	**HMI PUH7 A2P01**	10.900

(1) 15" touch screen: XGA 1024 x 768, 16 million colours, IP 65 front panel protection when mounted on panel or enclosure door.
(2) For separate parts, software and external power supply, see page 43666/2.
(3) Memory capacity not user-expandable; increased capacity available in made-to-order configuration (see page 43666/3).
(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
- Vijeo Citect Web Client
- Vijeo Designer Run Time Demo (5)
(5) Vijeo Designer RT (Run Time) Demo (21-day trial version). Unlimited licence, to be ordered separately (VJDSNRTMPC) (see page 43666/2).

Industrial PCs
Magelis *i*PCs certified for automation
Magelis Panel PC
Performance range - 15" touch screen

PF110314

HMI PP●7 ●●●●1
(screen side)

PF110341

HMI PP●7 A0701
(CPU side)

PF110327

HMI PP●7 A27●1
(CPU side)

PF110340

HMI PPH7 D2701
(CPU side)

Magelis Performance Panel PC - 15" LCD TFT LED touch screen *(1) (2)*
(Intel® Core™ 2 Duo P8400 processor (2.26 GHz)/DDR3 RAM)

Type of power supply PCI slot	Operating system	Software	Storage	DDR3 RAM *(3)*	Reference	Weight kg
For harsh industrial environment						
24 V ⎓ **No PCI slot**	Windows® 7 Ultimate 64-bit	Vijeo Designer RT Demo *(4)*	Flash disk ≥ 32 GB	2 GB	**HMI PPF7 D0701**	10.100
		Vijeo Designer RT Demo *(4)* Vijeo Citect Full 500 I/O	Flash disk ≥ 32 GB	4 GB	**HMI PPF7 D07F1**	10.100
100…240 V ∿ **1 PCI +** **1 PCI Express®**	Windows® 7 Ultimate 64-bit	Vijeo Designer RT Demo *(4)*	Flash disk ≥ 32 GB	2 GB	**HMI PPF7 A2701**	12.000
		Vijeo Designer RT Demo *(4)* Vijeo Citect Full 500 I/O	Flash disk ≥ 32 GB	4 GB	**HMI PPF7 A27F1**	12.000
For standard industrial environment						
24 V ⎓ **No PCI slot**	Windows® 7 Ultimate 64-bit	Vijeo Designer RT Demo *(4)*	Hard disk ≥ 250 GB	2 GB	**HMI PPH7 D0701**	10.100
24 V ⎓ **1 PCI +** **1 PCI Express®**	Windows® 7 Ultimate 64-bit	Vijeo Designer RT Demo *(4)*	Hard disk ≥ 250 GB	2 GB	**HMI PPH7 D2701**	11.400
24 V ⎓ with interface for backup battery **1 PCI +** **1 PCI Express®**	Windows® 7 Ultimate 64-bit	Vijeo Designer RT Demo *(4)*	Hard disk ≥ 250 GB	2 GB	**HMI PPH7 B2701**	11.400
100…240 V ∿ **No PCI slot**	Windows® 7 Ultimate 64-bit	Vijeo Designer RT Demo *(4)*	Hard disk ≥ 250 GB	2 GB	**HMI PPH7 A0701**	10.600
100…240 V ∿ **1 PCI +** **1 PCI Express®**	Windows® 7 Ultimate 64-bit	Vijeo Designer RT Demo *(4)*	Hard disk ≥ 250 GB	2 GB	**HMI PPH7 A2701**	12.000

(1) 15" touch screen: XGA 1024 x 768, 16 million colours, IP 65 front panel protection when mounted on panel or enclosure door.
(2) For separate parts, software and external power supply, see page 43666/2.
(3) Memory capacity not user-expandable; increased capacity available in made-to-order configuration (see page 43666/3).
(4) Vijeo Designer RT (Run Time) Demo (21-day trial version). Unlimited licence, to be ordered separately (VJDSNRTMPC) (see page 43666/2).

Industrial PCs
Magelis *i*PCs certified for automation
Magelis Panel PC
Universal range - 19" touch screen

PF110313

HMI PU●9 ●●●●1
(screen side)

PF110326

HMI PU●9 A2P●1
(CPU side)

PF110343

HMI PUH9 D2P01
(CPU side)

PF110342

HMI PUH9 A0P01
(CPU side)

Magelis Universal Panel PC - 19" LCD TFT LED touch screen *(1) (2)*
(Intel® ATOM™ N270 processor (1.6 GHz)/DDR2 RAM)

Type of power supply PCI slot	Operating system	Software	Storage	DDR2 RAM (3)	Reference	Weight kg
For maintenance-free environment						
24 V ⎓ **No PCI slot**	Windows® Embedded Standard 2009 (4)	Vijeo Designer RT Demo (5)	Compact Flash ⩾ 4 GB	1 GB	**HMI PUC9 D0E01**	13.600
	Windows® XP Professional SP3	Vijeo Designer RT Demo (5)	Flash disk ⩾ 32 GB	1 GB	**HMI PUF9 D0P01**	13.700
		Vijeo Designer RT Demo (5) Vijeo Citect Full 500 I/O	Flash disk ⩾ 32 GB	2 GB	**HMI PUF9 D0PF1**	13.700
100…240 V ∼ **1 PCI +** **1 PCI Express®**	Windows® XP Professional SP3	Vijeo Designer RT Demo (5)	Flash disk ⩾ 32 GB	1 GB	**HMI PUF9 A2P01**	14.700
		Vijeo Designer RT Demo (5) Vijeo Citect Full 500 I/O	Flash disk ⩾ 32 GB	2 GB	**HMI PUF9 A2PF1**	15.500
For standard industrial environment						
24 V ⎓ **No PCI slot**	Windows® XP Professional SP3	Vijeo Designer RT Demo (5)	Hard disk ⩾ 250 GB	1 GB	**HMI PUH9 D0P01**	13.700
24 V ⎓ **1 PCI +** **1 PCI Express®**	Windows® XP Professional SP3	Vijeo Designer RT Demo (5)	Hard disk ⩾ 250 GB	1 GB	**HMI PUH9 D2P01**	15.000
100…240 V ∼ **No PCI slot**	Windows® XP Professional SP3	Vijeo Designer RT Demo (5)	Hard disk ⩾ 250 GB	1 GB	**HMI PUH9 A0P01**	14.300
100…240 V ∼ **1 PCI +** **1 PCI Express®**	Windows® XP Professional SP3	Vijeo Designer RT Demo (5)	Hard disk ⩾ 250 GB	1 GB	**HMI PUH9 A2P01**	15.500

(1) 19" touch screen: SXGA 1280 x 1024, 16 million colours, IP 65 front panel protection when mounted on panel or enclosure door.
(2) For separate parts, software and external power supply, see page 43666/2.
(3) Memory capacity not user-expandable; increased capacity available in made-to-order configuration (see page 43666/3).
(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*
- *Vijeo Citect Web Client*
- *Vijeo Designer Run Time Demo (5)*

(5) Vijeo Designer RT (Run Time) Demo (21-day trial version). Unlimited licence, to be ordered separately (VJDSNRTMPC) (see page 43666/2).

Industrial PCs
Magelis *i*PCs certified for automation
Magelis Panel PC
Performance range - 19" touch screen

HMI PP●9 ●●●●1
(screen side)

HMI PP●9 A27●1
(CPU side)

HMI PPH9 D2701
(CPU side)

HMI PPH9 A0701
(CPU side)

Magelis Performance Panel PC - 19" LCD TFT LED touch screen *(1) (2)*
(Intel® Core™ 2 Duo P8400 processor (2.26 GHz)/DDR3 RAM)

Type of power supply PCI slot	Operating system	Software	Storage	DDR3 RAM *(3)*	Reference	Weight kg
For harsh industrial environment						
24 V ⎓ **No PCI slot**	Windows® 7 Ultimate 64-bit	Vijeo Designer RT Demo *(4)*	Flash disk ≥ 32 GB	2 GB	**HMI PPF9 D0701**	14.800
		Vijeo Designer RT Demo *(4)* Vijeo Citect Full 500 I/O	Flash disk ≥ 32 GB	4 GB	**HMI PPF9 D07F1**	14.800
100…240 V ∼ **1 PCI + 1 PCI Express®**	Windows® 7 Ultimate 64-bit	Vijeo Designer RT Demo *(4)*	Flash disk ≥ 32 GB	2 GB	**HMI PPF9 A2701**	16.600
		Vijeo Designer RT Demo *(4)* Vijeo Citect Full 500 I/O	Flash disk ≥ 32 GB	4 GB	**HMI PPF9 A27F1**	16.600
For standard industrial environment						
24 V ⎓ **No PCI slot**	Windows® 7 Ultimate 64-bit	Vijeo Designer RT Demo *(4)*	Hard disk ≥ 250 GB	2 GB	**HMI PPH9 D0701**	14.800
24 V ⎓ **1 PCI + 1 PCI Express®**	Windows® 7 Ultimate 64-bit	Vijeo Designer RT Demo *(4)*	Hard disk ≥ 250 GB	2 GB	**HMI PPH9 D2701**	16.100
100…240 V ∼ **No PCI slot**	Windows® 7 Ultimate 64-bit	Vijeo Designer RT Demo *(4)*	Hard disk ≥ 250 GB	2 GB	**HMI PPH9 A0701**	15.400
100…240 V ∼ **1 PCI + 1 PCI Express®**	Windows® 7 Ultimate 64-bit	Vijeo Designer RT Demo *(4)*	Hard disk ≥ 250 GB	2 GB	**HMI PPH9 A2701**	16.500

(1) 19" touch screen: SXGA 1280 x 1024, 16 million colours, IP 65 front panel protection when mounted on panel or enclosure door.
(2) For separate parts, software and external power supply, see page 43666/2.
(3) Memory capacity not user-expandable; increased capacity available in made-to-order configuration (see page 43666/3).
(4) Vijeo Designer RT (Run Time) Demo (21-day trial version). Unlimited licence, to be ordered separately (VJDSNRTMPC) (see page 43666/2).

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Industrial PCs
Magelis *i*PCs certified for automation
Separate parts for Panel PCs
Optimum, Universal and Performance ranges

Separate parts						
Designation	**Description**	**Compatible with Magelis Panel PC ranges:**			**Reference**	**Weight**
		Optimum	**Universal**	**Performance**		**kg**
Storage disks, peripheral equipment, kits						
Hard disk	250 GB, blank	–	All models		**HMI YHDD 0250 11**	–
Flash disk (SLC technology SSD)	32 GB, blank	–	All models		**HMI YSDD 0032 11**	–
Compact Flash card (SLC technology)	2 GB, blank	All models			**HMI YCF S02 11**	–
	4 GB, blank	All models			**HMI YCF S04 11**	–
	8 GB, blank	All models			**HMI YCF S08 11**	–
DVD-RW drive for slide-in rack *(1)*	CD-RW and DVD-RW reader/writer	–	Panel PC with 2 PCI slots		**HMI YDR DVDRW 11**	–
Slide-in adaptor for storage disk	Used to insert a hard disk or an SSD Flash disk in a slide-in rack	–	Panel PC with 2 PCI slots		**HMI YAD SLIDEIN 11**	–
DVI/VGA RGB adaptor	For connecting an RGB screen to the integrated DVI port	All models			**HMI YAD DVI RGB 11**	–
RAID PCI card with 2 redundant hard disks *(1)*	PCI card equipped with two 250 GB redundant hard disks	–	Panel PC with 2 PCI slots		**HMI YRAID PCI 11**	–
Hard disk for RAID PCI card	Replacement hard disk for RAID PCI card HMI YRAID PCI 11	–	Panel PC with 2 PCI slots + RAID PCI card HMI YRAID PCI 11		**HMI YRAID D0250 11**	–
Backup power supply kit	Provides an uninterruptible power supply. Includes: ■ 1 backup battery ■ 1 x 3 m cordset	Configured Magelis Panel PC with battery-backed power supply interface module *(2)*			**HMI YUPS KT 11**	–
Power supply filter for marine certification	Necessary for compliance with marine certification	HMI PWC7 D0E01 Panel PC	HMI PUC● D●●●●/ PUF● D●●●● Panel PC	–	**HMI YLFI MAR 11**	–
Maintenance kit for Panel PC	Includes: ■ 1 x 3-way removable connector for 24 V ⎓ power supply ■ 1 x 3-way removable connector for 100…240 V ∿ power supply ■ 2 protective covers for USB port on the front ■ 10 replacement filters for fan, including: □ 5 for Magelis Panel PC with no PCI slot □ 5 for Magelis Panel PC with 2 PCI slots ■ 18 screw fasteners	All models			**HMI YPMKT 11**	0.060
Captive USB protective cover	2 captive covers for USB port on the front	All models			**HMI YPUSB UN5 11**	0.040
Fan kit for Panel PC	For fan replacement by the user	All models	All models with no PCI slot		**HMI YPFKT 01**	0.250
		–	All models with 2 PCI slots		**HMI YPFKT 21**	0.800
Screen protection	5 protective film sheets for 10" screen	HMI PWC7 D0E01 Panel PC	–		**MPC YK2 0SPS KIT**	–
	5 protective film sheets for 15" screen	HMI PWC7 D0E01 Panel PC	HMI P●●7 ●●●●● Panel PC		**MPC YK5 0SPS KIT**	–
	5 protective film sheets for 19" screen	–	HMI P●●9 ●●●●● Panel PC		**MPC YK9 0SPS KIT**	–
Software						
Vijeo Designer Run Time licence for 1 workstation	Converts the 21-day trial version of Vijeo Designer Run Time Demo to an unlimited licence	All models			**VJDSNRTMPC**	–
Intelligent Data Service extension licence for Vijeo Designer Run Time 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**	–
External Phaseo power supply						
Phaseo regulated switch mode power supply ABL 8 Rail mounted	Input voltage: 100…120 V/200…500 V ∿ *(3)* Output voltage: 24 V ⎓ Power: 120 W	All models	–		**ABL 8RPS24050** *(4) (5)*	0.700
Phaseo regulated switch mode power supply ABL 4 Rail mounted	Input voltage: 100…230 V ∿ *(3)* Output voltage: 24 V ⎓ Power: 120 W	All models	–		**ABL 4RSM24050** *(4) (5)*	0.500

(1) Operating temperature details available on our website www.schneider-electric.com.
(2) For configured Magelis Panel PC, see page 43666/3.
(3) Single-phase connection. Phase-to-phase connection possible on certain American line supplies; please consult your Customer Care Centre.
(4) If adding a PCI card, you need to select a Phaseo power supply with a power rating suitable for the extra consumption. Please consult the "Phaseo power supply and transformer" catalogue on our website www.schneider-electric.com.
(5) To order this reference, please consult our Customer Care Centre.

Schneider Electric

Industrial PCs
Magelis *i*PCs certified for automation
Configured Magelis Panel PC

Configured Magelis Panel PC industrial PC

With the "configured *i*PC" service, Schneider Electric offers more than 1,500,000 configuration combinations for Magelis *i*PCs.

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

Our Customer Care Centre draws up:
- The complete parts list for the configured Magelis Panel PC
- Its selling price
- The complete reference (root + code which varies according to the configuration)
- A purchase order

Ordering procedure for a configured Magelis Panel PC

1 Please consult our Customer Care Centre.
2 Confirm the root of the reference you require; this root will then be completed with the variable part of the reference, once configuration is complete. The root varies depending on which Magelis Panel PC base you choose:
   - **HMI PCCW** corresponds to a configured Magelis Optimum Panel PC base.
   - **HMI PCCP** corresponds to a configured Magelis Universal or Performance Panel PC base.
3 Configure your Magelis Panel PC (see table below).
4 Confirm your order.

References

Description		Magelis Panel PC base	Reference	Weight kg
Configured Magelis Panel PC *(1)*	Reference root to be confirmed with our Customer Care Centre. The configuration should be made up from the components below.	Optimum	**HMI PCCW** *(2)*	–
		Universal and Performance	**HMI PCCP** *(2)*	

Description	Available on Magelis Panel PC base			Reference	Weight kg
	Optimum **Intel® ATOM™ Z510 processor (1.1 GHz)** **DDR2 RAM** **24 V ⎓ power supply**	**Universal** **Intel® ATOM™ N270 processor (1.6 GHz)** **DDR2 RAM** **24 V ⎓ or 100…240 V ∿ power supply**	**Performance** **Intel® Core™ 2 Duo P8400 processor (2.26 GHz)** **DDR3 RAM** **24 V ⎓ or 100…240 V ∿ power supply**		
LCD TFT LED touch screen 16 million colours	10.4" or 15"	15" or 19"		*(2)*	–
RAM	2 GB max. (DDR2)	3 GB max. (DDR2)	8 GB max. (DDR3)		
Peripheral storage devices	Compact Flash card 8 GB max. (SLC technology)				
	–	Up to 2 Flash disks ⩾ 32 GB (SLC technology SSD)			
	–	Up to 2 hard disks ⩾ 250 GB			
Other peripheral device	–	DVD-RW drive			
PCI slot configuration	–	No PCI slot			
		1 PCI + 1 PCI Express® or 2 PCI slots			
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 Run Time				
	–	Vijeo Citect			
Assembled options	–	RAID PCI card with 2 redundant hard disks			
	–	Interface module for backup power supply required for the HMI YUPS KT 11 backup power supply kit (see page 43666/2)			
	–	Additional RS232C/RS422/RS485 serial link interface			
	1 or 2 Ethernet ports	2 Ethernet ports			

(1) Please consult our Customer Care Centre.
(2) The reference of configured Magelis Panel PC industrial PCs is madeup of a root (HMI PCCW or HMI PCCP) followed by a variable part generated during configuration.

Industrial PCs
Magelis *i*PCs certified for automation
Equivalent product table

Old PC panels		Replaced by Magelis Panel PC		Compatibility	
Description	**Reference**	**Description**	**References**	**Cut-out forflush mounting**	**Screen definition**
Magelis Smart (with Compact Flash card)		**Magelis Panel PC** (Optimum or Universal range)			
Magelis Smart 8.4" screen, 24 V ⎓	**MPC ST1 1NDJ 00T**	Magelis Optimum Panel PC 10" screen, 24 V ⎓	**HMI PWC5 D0E01**		
Magelis Smart 8.4" screen, 100…240 V ∼	**MPC ST1 1NAJ 00T**	Magelis Optimum Panel PC 10" screen, 24 V ⎓	**HMI PWC5 D0E01 + Phaseo power supply** (1)		
Magelis Smart 15" screen, 24 V ⎓	**HMI PSC7 DE03** **MPC ST5 2NDJ 20T**	Magelis Optimum Panel PC 15" screen, 24 V ⎓	**HMI PWC7 D0E01**		
		Magelis Universal Panel PC 15" screen, 24 V ⎓	**HMI PUC7 D0E01**		
Magelis Smart 15" screen, 100…240 V ∼	**HMI PSC7 AE03** **MPC ST5 2NAJ 20T** **MPC ST5 2NAJ 20H**	Magelis Optimum Panel PC 15" screen, 24 V ⎓	**HMI PWC7 D0E01 + Phaseo power supply** (1)		
		Magelis Universal Panel PC 15" screen, 24 V ⎓	**HMI PUC7 D0E01 + Phaseo power supply** (1)		
Magelis Smart+ (with Flash Disk)		**Magelis Panel PC** (Universal range)			
Magelis Smart+ 15" screen, 24 V ⎓	**HMI PSF7 DP03**	Magelis Universal Panel PC 15" screen, 24 V ⎓	**HMI PUF7 D0P01**		
Magelis Smart+ 15" screen, 100…240 V ∼	**HMI PSF7 AP03**	Magelis Universal Panel PC 15" screen, 100…240 V ∼	**HMI PUF7 A0P01**		
Magelis Smart+ 15" screen, 100…240 V ∼ Vijeo Citect Lite 1200 I/O	**HMI PSF7 APL3** (2)	Magelis Universal Panel PC 15" screen, 24 V ⎓ Vijeo Citect Lite 1200 I/O	**HMI PUF7 D0PL1** (2)		
Magelis Smart+ 15" screen, 100…240 V ∼ Vijeo Citect Full 500 I/O	**HMI PSF7 APF3**	Magelis Universal Panel PC 15" screen, 100…240 V ∼ Vijeo Citect Full 500 I/O	**HMI PUF7 A2PF1**		
Magelis Compact *i*PC General Purpose (with hard disk)		**Magelis Panel PC** (Universal range)			
Magelis Compact *i*PC General Purpose 15" screen, 24 V ⎓	**MPC KT5 5NDX 20N**	Magelis Universal Panel PC 15" screen, 24 V ⎓	**HMI PUH7 D2P01**		
Magelis Compact *i*PC General Purpose 15" screen, 100…240 V ∼	**MPC KT5 5NAX 20N**	Magelis Universal Panel PC 15" screen, 100…240 V ∼	**HMI PUH7 A2P01**		
Magelis Compact *i*PC Heavy Duty (with Flash Disk)		**Magelis Panel PC** (Universal range)			
Magelis Compact *i*PC Heavy Duty 15" screen, 100…240 V ∼	**MPC KT5 5MAX 20N**	Magelis Universal Panel PC 15" screen, 100…240 V ∼	**HMI PUF7 A2P01**		
Magelis Compact *i*PC Heavy Duty 15" screen, 100…240 V ∼ Vijeo Citect Lite 1200 I/O	**MPC KT5 5MAX 20L**	Magelis Universal Panel PC 15" screen, 100…240 V ∼ Vijeo Citect Full 500 I/O	**HMI PUF7 A2PF1**		
		Configured Magelis Panel PC Universal Panel PC base with: ■ 15" screen, 100…240 V ∼ ■ Vijeo Citect Lite 1200 I/O	**HMI PCCP** (3)		
Magelis Compact *i*PC Heavy Duty 15" screen, 100…240 V ∼ Vijeo Citect Full 500 I/O	**MPC KT5 5MAX 20V**	Magelis Universal Panel PC 15" screen, 100…240 V ∼ Vijeo Citect Full 500 I/O	**HMI PUF7A2PF1**		

Cut-out or screen definition	Identical	
	Different	

(1) ABL 8RPS24050 or ABL 4RSM24050 Phaseo power supply, see page 43666/2.
(2) Correspondence between possibly different power supplies: 100…240 V ∼/24 V ⎓.
(3) Made-to-order configuration (see page 43666/3).

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Industrial PCs
Magelis *i*PCs certified for automation
Equivalent product table

Old Front Panels + Flex PC BOX		Replaced by Magelis *i*PC		Compatibility	
Description	Reference	Description	References *(1)*	Cut-out forflush mounting	Screen definition
Front Panels + Magelis Flex PC BOX		**Magelis Panel PC or Magelis *i*Display + Magelis BOX PC**			
Front Panel with 12" touch screen and keypad + Magelis Flex PC BOX 24 V ⎓ or 100…240 V ∿ *(2)*	**MPC YB2 0NNN 00N** + **MPC F/H●● ●●●● ●●●**	Magelis Optimum/Universal/ Performance Panel PC 15" touch screen, 24 V ⎓ or 100…240 V ∿	**HMI P●●7 ●●●●●** *(3)*		
		Magelis *i*Display with 15" touch screen, 100…240 V ∿ + Magelis Universal/Performance BOX PC, 24 V ⎓	**MPC YT5 0NAN 00N** *(3)* + **HMI B●●● ●●●●●** *(4)*		
		Magelis iDisplay with 15" touch screen, 24 V ⎓ + Magelis Universal/Performance BOX PC, 24 V ⎓	**HMI DID7 DT0** *(3)* + **HMI B●●● ●●●●●** *(4)*		
		Magelis *i*Display with 15" touch screen and keypad, 100…240 V ∿ + Magelis Universal/Performance BOX PC, 24 V ⎓	**MPC NB5 0NAN 00N** + **HMI B●●● ●●●●●** *(4)*		
Front Panel with 15" touch screen + Magelis Flex PC BOX 24 V ⎓ or 100…240 V ∿ *(2)*	**MPC YT5 0NNN 00N** + **MPC F/H●● ●●●● ●●●**	Magelis Optimum/Universal/ Performance Panel PC 15" touch screen, 24 V ⎓ or 100…240 V ∿	**HMI P●●7 ●●●●●**		
		Magelis *i*Display with 15" touch screen, 100…240 V ∿ + Magelis Universal/Performance BOX PC, 24 V ⎓	**MPC YT5 0NAN 00N** + **HMI B●●● ●●●●●** *(4)*		
		Magelis *i*Display with 15" touch screen, 24 V ⎓ + Magelis Universal/Performance BOX PC, 24 V ⎓	**HMI DID7 DT0** + **HMI B●●● ●●●●●** *(4)*		
Front Panel with 15" touch screen and keypad + Magelis Flex PC BOX 24 V ⎓ or 100…240 V ∿ *(2)*	**MPC YB5 0NNN 00N** + **MPC F/H●● ●●●● ●●●**	Magelis *i*Display with 15" touch screen and keypad, 100…240 V ∿ + Magelis Universal/Performance BOX PC, 24 V ⎓	**MPC NB5 0NAN 00N** + **HMI B●●● ●●●●●** *(4)*		
Front Panel with 19" touch screen + Magelis Flex PC BOX 24 V ⎓ or 100…240 V ∿ *(2)*	**MPC YT9 0NNN 00N** + **MPC F/H●● ●●●● ●●●**	Magelis Universal/Performance Panel PC 19" touch screen, 24 V ⎓ or 100…240 V ∿	**HMI P●●9 ●●●●●**		
		Magelis *i*Display with 19" touch screen, 100…240 V ∿ + Magelis Universal/Performance BOX PC, 24 V ⎓	**MPC YT9 0NAN 00N** + **HMI B●●● ●●●●●** *(4)*		

Cut-out or screen definition	Identical	
	Different	

(1) Complete references: Magelis Panel, see pages 43664/3, 43665/6 or 43665/8 / Magelis iDisplay, see page 43633/3 / Magelis BOX PC, see page 43662/6.
(2) Power provided by the Magelis Flex PC BOX CPU; the type of power supply depends on the CPU model.
(3) Correspondence between different screen functions: touch screen + keypad/touch screen.
(4) Correspondence between possibly different power supplies: 100…240 V ∿/24 V ⎓.