Ready for your automation applications

The new generation of industrial PC

Magelis Box PC, Magelis Panel PC and Magelis *i*Display

Vijeo Citect

Intelligent Data Service

Vijeo Designer

Schneider Electric

Certified for automation

Magelis™ iPC are built specifically for automation with certifications for industrial control, hazardous locations, and marine applications.
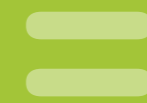
Easy IT integration

Run Microsoft® operating systems with large data storage, multi-tasking capabilities, and double gigabit Ethernet port to separate information flows.

Choice of design

Optimum, modular or made-on-demand, choose your design, suitable to your needs!

New generation of industrial PC

Certified for automation

The new generation of Magelis iPC has certifications for use in the most demanding automation systems, including industrial control equipments, hazardous locations, and marine applications.

The new range is extremely rugged, with maintenance-free models (no fan, static storage SLC technology), and LED backlight for Panel PC. Their resistance to extended temperature ranges, shock, and vibrations ensures uninterrupted operation in the toughest of environments.

For easy maintenance, both the fan and the hard disk are monitored. Additional options for critical applications are also available (HDD RAID PCI card and battery back-up). The Box PC book format and 24 VDC power supply make it easy to install in the confined space of a control cabinet.

With long range durability, Magelis iPC will be a reliable foundation of your automation platform for years to come.

Easy IT integration

The Magelis Box PC runs Microsoft operating systems to connect any PC peripherals, and features large data storage, ease of connection to other computers and databases, and multi-tasking capabilities (Vijeo™ Designer HMI, IDS data traceability or Vijeo Citect SCADA, office software including web browsers and other programs installed by the user).

A large choice of compatible Microsoft operating systems is available, from Windows® Embedded write-protected in operation, to Windows 7 64-bit, supporting large RAM for demanding SCADA applications.

To boost system security, Magelis iPC separate the IT and automation data flows with their two built-in gigabit Ethernet ports.

Choice of design

You can choose between various configurations offering different levels of performance, all based on the latest components:
> optimized design, with affordable and maintenance-free Panel PC,
> modular design, with a complete range of Box PC and Panel PC, including high performance options.

In addition to the predefined products from the catalogue, the new Magelis range offers industrial PC made to your specific order, with over 1,5 million of possible configurations.

> Optimized design

Magelis Panel PC Optimum are affordable and certified for automation without compromising quality.

Panel PC

- Touch screen 10" or 15" 16 million colours, IP65, LED backlight.
- CPU Intel Atom Z510 1,1Ghz fanless, 1Gb RAM.
- 2 gigabit Ethernet, 1 RS 232, 2 USB + 1 front.
- Compact Flash (SLC technology), 1 SD card slot.

Windows Embedded Standard.

> Modular design

Magelis iPC Universal and Performance are based on a modular design to fit all application needs:
- Universal models with Intel® Atom™ N270 processor without fan (1.6 GHz)
- Performance models with Intel® Core™ 2 Duo processor (2.26 GHz) and DDR 3 RAM

Panel PC

- Touch screen 15" or 19" 16 million colours, IP65, LED backlight.
- 0 or 2 PCI /PCIe slots, removable drives.
- 2 gigabit Ethernet, 4 USB + front, 1 DVI, up to 3 serial lines.

Windows Embedded Standard, XP Pro or Windows 7.

Configured iPC service

Contact our customer care centre to build your own Magelis iPC configuration and get unique options (8 Gb RAM, large Compact Flash, WES 7, software bundles, battery back-up interface, 3rd serial line, etc.).

Box PC

- 2 gigabit Ethernet, 4 USB + front, up to 2 DVI and 3 serial lines.
- 1 to 5 PCI/PCIe slots.
- Removable drives: Compact Flash (SLC), Flash Disk (SSD SLC) or HDD and DVD-RW.

Windows Embedded Standard, XP Pro or Windows 7.

> Magelis iPC Select your configuration

For more options, contact our customer care centre for iPC configured service.

intel Atom inside — Atom Z fanless | Windows Embedded
intel Atom inside — Atom N fanless | Windows Embedded | Microsoft Windows XP Professional
intel Core 2 Duo inside — Core 2 Duo/2.26 GHz | 7

Compact FlashCard
Compact FlashCard | Flash disk SSD
Flash disk SSD

Panel PC **Optimum**

0 PCI/PCIe slot

15"
10"

0 PCI/PCIe slot

15"
10"

Touch screen, DC power supply

Panel PC **Universal**

0 PCI/PCIe slot

19"
15"

2 PCI/PCIe slots

19"
15"

Touch screen, AC or DC power supply

Panel PC **Performance**

0 PCI/PCIe slot

19"
15"

2 PCI/PCIe slots

19"
15"

Touch screen, AC or DC power supply

iDisplays for Box PC

15"

15"

19"
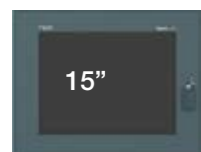
Touch screen, AC or DC power supply
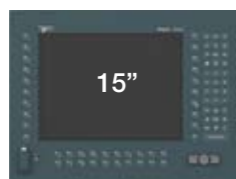
Key and touch screen, AC power supply

Touch screen, AC power supply

Box PC **Universal**

1 PCI/PCIe slot

2 PCI/PCIe slots

Box PC **Performance**

2 PCI/PCIe slots

5 PCI/PCIe slots

Magelis Box PC

Box PC Universal

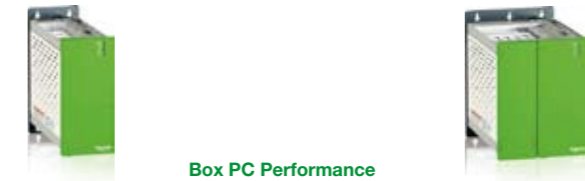|					
CPU & RAM types	Atom N270 1,6 Ghz Fanless with DDR2 RAM				
PCI slots	1 PCI		2 (1 PCI + 1 PCIe)		
Operating system	WES 2009	XP PRO SP3			
Storage	CF ≤4 Gb (SLC)	Flash Disk ≤32 Go (SSD SLC)	HDD ≤250 Go	Flash Disk ≤ 32Go (SSD SLC)	HDD ≤ 250Go
Integrated DVD-RW	-	1			
Slide-in	1 for storage		1 for storage + 1 for DVD-RW (or for storage with adapter)		
Power supply	24 VDC				
Integrated ports	2 gigabit Ethernet, 1 front USB + 4 USB, 2 RS232, 1 DVI				
Optional	Battery back-up*, additional RS232/485 port, redundant RAID HDD by PCI, additional DVI for Box PC 2 slots				
Overall dimensions W x H x D (mm)	82 x 251 x 270		121 x 251 x 270		
Industrial certifications	CE, UL508 industrial control, cUL, ANSI/ISA 12.12.01 for hazardous locations, Gost, C-Tick				
Marine certification	Germany Loyd with power filter	-	Germany Loyd with power filter	-	
Vijeo Designer	Vijeo Designer Run Time demo. Unlimited licence to be ordered separatly (VJDSNRTMPC)				
1Gb RAM	HMIBUCND1E01	HMIBUFND1P01	HMIBUHND1P01	HMIBUFND2P01	HMIBUHDD2P01
2Gb RAM	-	-	-	-	-
Vijeo Citect Full 500 I/0, 2Gb RAM	-	HMIBUFND17F1	-	HMIBUFND2PF1	-
Vijeo Citect Full 500 I/0, 4Gb RAM	-	-	-	-	-
iPC configured service	*Contact your customer care centre for other configurations				

Box PC Performance

CPU & RAM types	Core 2 Duo 2,26 Ghz Fan, with DDR3 RAM			
PCI slots	2 (1 PCI + 1 PCIe)		5 (2 PCI + 3 PCIe)	
Operating system	Windows 7 64 bits Ultimate			
Storage	Flash Disk ≤32 Go (SSD SLC)	HDD ≤250 Go	Flash Disk ≤32 Go (SSD SLC)	HDD ≤250 Go
Integrated DVD-RW	1			
Slide-in	1 for storage + 1 for DVD-RW (or for storage with adapter)			
Power supply	24 VDC			
Integrated ports	2 gigabit Ethernet, 5 USB, 2 RS232, 1 DVI			
Optional	Battery back-up*, additional RS232/485 port, additional DVI, redundant RAID HDD by PCI			
Overall dimensions W x H x D (mm)	121 x 251 x 270		217 x 251 x 270	
Industrial certifications	CE, UL508 industrial control, cUL, ANSI/ISA 12.12.01 for hazardous locations, Gost, C-Tick			
Marine certification	-			
Vijeo Designer	Vijeo Designer Run Time demo. Unlimited licence to be ordered separatly (VJDSNRTMPC)			
1Gb RAM	-	-	-	-
2Gb RAM	HMIBPFDD2701	HMIBPHDD2701	HMIBPFDD5701	HMIBPHDD5701
Vijeo Citect Full 500 I/0, 2Gb RAM	-	-	-	-
Vijeo Citect Full 500 I/0, 4Gb RAM	HMIBPFDD27F1	-	HMIBPFDD57F1	-
iPC configured service	*Contact your customer care centre for other configurations			

Magelis iDisplays for Box PC

	15" Touch AC	15" Touch DC	15" Touch and Keypad AC	19" Touch AC
Screen	15" LCD TFT			19" LCD TFT
Resolution	XGA 1024 x 768			SXGA 1280 x 1027
Front side port	1 x USB			
Video ports	1 x VGA & 1 x DVI			
Touchscreen ports	1 x USB & 1 x RS 232			
Power supply	100…240 VAC	24 VDC	100…240 VAC	
Certification	UL508, CSA			
Dimensions W x H x D (mm)	395 x 294 x 60		483 x 365 x 31	460 x 390 x 65
References	MPCYT50NAN00N	HMIDID7DT0	MPCNB50NAN00N	MPCYT90NAN00N

Magelis Panel PC Optimum

	10" Panel PC Optimum	15" Panel PC Optimum
Touch screen	10" LCD TFT with LED, IP65	15" LCD TFT with LED, IP65
Resolution	SVGA 800 x 600, 16 million colours	XGA 1024 x 768, 16 million colours
CPU	Atom Z510 1,1 Ghz fanless	
Operating system	WES 2009	
RAM	1 Gb DDR2	
OS storage	CF 2Gb (SLC)	
User storage	SD card	
Power supply	24 VDC	
Integrated ports	2 gigabit Ethernet, 1 USB front + 2, 1 RS232	
Overall dimensions W x H x D (mm)	323 x 260 x 72	402 x 301 x 72
Industrial certifications	CE, UL508 industrial control, cUL, ANSI/ISA 12.12.0 for hazardous locations, Gost, C-Tick	
Marine certification	Touch screen	Touch screen
Software	Office & PDF readers, Internet browser, Net 3.5, Vijeo Designer RT demo (Unlimited licence to be ordered separatly VJDSNRTMPC), Vijeo Citect web client	
Part number	HMIPWC 5D0E01	HMIPWC 7D0E01

Magelis Panel PC Universal

15" Panel PC Universal

Touch screen	15" LCD TFT with LED backlight, IP65, same cut-out than legacy			
Resolution	XGA 1024 x 768, 16 million colours			
CPU & RAM types	Atom N270 1,6 Ghz fanless with DDR2 RAM			
PCI slots	-		2 (1 PCI + 1 PCIe)	
Operating system	WES 2009	XP PRO SP3		
Storage	CF ≤ 4Gb (SLC)	Flash Disk ≤ 32Go (SSD SLC)	HDD ≤ 250Go	Flash Disk ≤ 32Go (SSD SLC)	HDD ≤ 250Go
Integrated DVD-RW	-		1	
Slide-in	1 for storage		1 for storage + 1 for DVD-RW (or for storage with adapter)	
Integrated ports	2 gigabit Ethernet, 1 front USB + 4 USB, 2 RS232, 1 DVI			
Optional	Battery back-up*, additional RS232/485 port* + redundant RAID HDD by PCI			
Overall dimensions W x H x D (mm)	402 x 301 x 104		402 x 301 x 153	
Industrial certifications	CE, UL508 industrial control, cUL, ANSI/ISA 12.12.01 for hazardous locations, Gost, C-Tick			
Marine certification	Germany Loyd with power filter	-		
Vijeo Designer	Vijeo Designer Run Time demo. Unlimited licence to be ordered separately (VJDSNRTMPC)			

	col1	col2	col3	col4	col5
1Gb RAM - 24 VDC power supply	HMIPUC7D0E01	HMIPUF7D0P01	HMIPUH7D0P01	-	HMIPUH7D2P01
Vijeo Citect Lite 1200 I/0, 2Gb RAM - 24 VDC	-	HMIPUF7D0PL1	-	-	-
1Gb RAM - 100...240 VAC power supply	-	HMIPUF7A0P01	HMIPUH7A0P01	HMIPUF7A2P01	HMIPUH7A2P01
Vijeo Citect Full 500 I/0, 2Gb RAM - 100...240 VAC	-	-	-	HMIPUF7A2PF1	-
iPC configured service	*Contact your customer care centre for other configurations				

19" Panel PC Universal

Touch screen	19" LCD TFT with LED backlight, IP65			
Resolution	SXGA 1280x1024, 16 million colours			
CPU & RAM types	Atom N270 1,6 Ghz fanless with DDR2 RAM			
PCI slots	-		2 (1 PCI + 1 PCIe)	
Operating system	WES 2009	XP PRO SP3		
Storage	CF ≤ 4Gb (SLC)	Flash Disk ≤ 32 Go (SSD SLC)	HDD ≤ 250 Go	Flash Disk ≤ 32 Go (SSD SLC)	HDD ≤ 250 Go
Integrated DVD-RW	-		1	
Slide-in	1 for storage		1 for storage + 1 for DVD-RW (or for storage with adapter)	
Integrated ports	2 gigabit Ethernet, 1 front USB + 4 USB, 2 RS232, 1 DVI			
Optional	Battery back-up*, additional RS232/485 port* + redundant RAID HDD by PCI			
Overall dimensions W x H x D (mm)	480 x 380 x 114		480 x 380 x 153	
Industrial certifications	CE, UL508 industrial control, cUL, ANSI/ISA 12.12.01 for hazardous locations, Gost, C-Tick			
Marine certification	Germany Loyd with power filter	-		
Vijeo Designer	Vijeo Designer Run Time demo. Unlimited licence to be ordered separately (VJDSNRTMPC)			

	col1	col2	col3	col4	col5
1Gb RAM - 24 VDC power supply	HMIPUC9D0E01	HMIPUF9D0P01	HMIPUH9D0P01	-	HMIPUH9D2P01
Vijeo Citect Lite 1200 I/0, 2Gb RAM - 24 VDC	-	HMIPUF9D0PF1	-	-	-
1Gb RAM - 100...240 VAC power supply	-	HMIPUF9A0P01	HMIPUH9A0P01	HMIPUF9A2P01	HMIPUH9A2P01
Vijeo Citect Full 500 I/0, 2Gb RAM - 100...240 VAC	-	-	-	HMIPUF9A2PF1	-
iPC configured service	*Contact your customer care centre for other configurations				

Magelis Panel PC Performance

15" Panel PC Performance

Touch screen	15" LCD TFT with LED backlight, IP65, same cut-out than legacy			
Resolution	XGA 1024 x 768, 16 million colours			
CPU & RAM types	Core 2 Duo 2,26 Ghz fan, with DDR3 RAM			
PCI slots	-		2 (1 PCI + 1 PCIe)	
Operating system	Windows 7 64 bits Ultimate			
Storage	Flash Disk ≤ 32 Go (SSD SLC)	HDD ≤ 250 Go	Flash Disk ≤ 32 Go (SSD SLC)	HDD ≤ 250 Go
Integrated DVD-RW	-		1	
Slide-in	1 for storage		1 for storage + 1 for DVD-RW (or for storage with adapter)	
Integrated ports	2 gigabit Ethernet, 1 front USB + 4 USB, 2 RS232, 1 DVI			
Optional	Battery back-up*, add. RS232/485 port* + redundant RAID HDD by PCI			
Overall dimensions W x H x D (mm)	402 x 301 x 118		402 x 301 x 168	
Industrial certifications	CE, UL508 industrial control, cUL, ANSI/ISA 12.12.01 for hazardous locations, Gost, C-Tick			
Vijeo Designer	Vijeo Designer Run Time demo. Unlimited licence to be ordered separatly (VJDSNRTMPC)			

	col1	col2	col3	col4
2Gb RAM - 24 VDC power supply	HMIPPF7D0701	HMIPPH7D0701	-	HMIPPH7D2701
2Gb RAM - Battery back-up interface - 24 VDC	-	-	-	HMIPPH7B2701
Vijeo Citect Full 500 I/0, 4Gb RAM - DC	HMIPPF7D07F1	-	-	-
2Gb RAM - 100...240 VAC power supply	-	HMIPPH7A0701	HMIPPF7A2701	HMIPPH7A2701
Vijeo Citect Full 500 I/0, 4Gb RAM - 100...240 VAC	-	-	HMIPPF7A27F1	-
iPC configured service	*Contact your customer care centre for other configurations			

19" Panel PC Performance

Touch screen	19" LCD TFT with LED backlight, IP65			
Resolution	SXGA 1280 x 1024, 16 million colours			
CPU & RAM types	Core 2 Duo 2,26 Ghz fan, with DDR3 RAM			
PCI slots	-		2 (1 PCI + 1 PCIe)	
Operating system	Windows 7 64 bits Ultimate			
Storage	Flash Disk ≤ 32 Go (SSD SLC)	HDD ≤ 250 Go	Flash Disk ≤ 32 Go (SSD SLC)	HDD ≤ 250 Go
Integrated DVD-RW	-		1	
Slide-in	1 for storage		1 for storage + 1 for DVD-RW (or for storage with adapter)	
Integrated ports	2 gigabit Ethernet, 1 front USB + 4 USB, 2 RS232, 1 DVI			
Optional	Battery back-up*, add. RS232/485 port* + redundant RAID HDD by PCI			
Overall dimensions W x H x D (mm)	480 x 380 x 129		480 x 380 x 168	
Industrial certifications	CE, UL508 industrial control, cUL, ANSI/ISA 12.12.01 for hazardous locations, Gost, C-Tick			
Vijeo Designer	Vijeo Designer Run Time demo. Unlimited licence to be ordered separatly (VJDSNRTMPC)			

	col1	col2	col3	col4
2Gb RAM - 24 VDC power supply	HMIPPF9D0701	HMIPPH9D0701	-	HMIPPH9D2701
2Gb RAM - Battery back-up interface - 24 VDC	-	-	-	-
Vijeo Citect Full 500 I/0, 4Gb RAM - DC	HMIPPF9D07F1	-	-	-
2Gb RAM - 100...240 VAC power supply	-	HMIPPH9A0701	HMIPPF9A2701	HMIPPH9A2701
Vijeo Citect Full 500 I/0, 4Gb RAM - 100...240 VAC	-	-	HMIPPF9A27F1	-
iPC configured service	*Contact your customer care centre for other configurations			

Due to evolution of standards and equipment, characteristics indicated in the text and images
in this document are subject to confirmation by our departments.
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