



Type		Compact display units		
Display	Capacity	2 lines, 20 characters	4 lines, 20 characters	
	Type	Back-lit LCD, green	Back-lit LCD, green	Back-lit LCD, 3 colours: green, orange, red
Data entry		Via keypad with 8 keys (4 with changeable legends)		
Functions	Representation of variables	Alphanumeric	Alphanumeric	Alphanumeric
Communication	Downloadable protocols	Uni-Telway, Modbus	Uni-Telway, Modbus	Uni-Telway, Modbus
Development software		XBTL1001 and XBTL1003 (on Windows 98, 2000 and XP)		
Dimensions W x D x H		132 x 78 x 74 mm		132 x 104 x 74 mm
Compatibility with PLCs		Twido, Nano, TSX Micro, Premium, Quantum		Twido, Nano, TSX Micro, Premium, TSX series 7, Momentum, Quantum
Supply voltage		5 V DC	5 V DC	24 V DC, external
References		<b>XBTN200</b>	<b>XBTN400</b>	<b>XBTN401</b>

With matrix screen



Type		Multilingual display units		
Display	Capacity	8 lines, 40 characters		
	Type	Back-lit LCD, monochrome		
Data entry	Function / service keys	–	4 / 1	– / 5
Functions	Representation of variables	Alphanumeric, bargraph, gauge		
Communication	Downloadable protocols	Multiple (Uni-Telway, Modbus, AEG and for Allen Bradley, GE Fanuc, Omron, Siemens PLCs)		
Development software		XBTL1001 and XBTL1003 (on Windows 98, 2000 and XP)		
Dimensions W x D x H		202 x 64.8 x 111.3 mm		
Compatibility with PLCs		Twido, Nano, TSX Micro, Premium, Quantum		
Supply voltage		24 V DC		
Without printer link, without log		<b>XBTHM007010</b>	<b>XBTHM027010</b>	<b>XBTHM017010</b>
With printer link, with log		–	–	<b>XBTHM017110</b>



# Terminals

## With alphanumeric screen



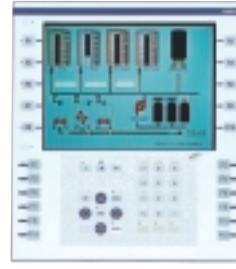
2

Type		2 line multilingual alphanumeric terminals			
Display	Capacity	2 lines, 20 characters			
	Type	Fluorescent matrix, green		Back-lit LCD, green	
Data entry	Function / service keys	8 / 9	12 / 10	8 / 9	12 / 10
	Numeric keys	–	12	–	12
Functions	Representation of variables	Alphanumeric			
Communication	Downloadable protocols	Multiple (Uni-Telway, Modbus, AEG and for Allen Bradley, GE Fanuc, Omron, Siemens PLCs)			
Development software		XBTL1001 and XBTL1003 (on Windows 98, 2000 and XP)			
Dimensions W x D x H		253 x 62.5 x 152 mm			
Compatibility with PLCs		Twido, Nano, TSX Micro, Premium, Quantum		Twido, Nano, TSX Micro, Premium, Quantum	
Supply voltage		24 V DC		24 V DC	
Without printer link, without log		<b>XBTP012010</b>	<b>XBTP022010</b>	<b>XBTP011010</b>	<b>XBTP021010</b>
With printer link, with log		–	<b>XBTP022110</b>	–	<b>XBTP021110</b>

## With matrix screen



Type		8 line multilingual matrix screen terminals	
Display	Capacity	8 lines, 40 characters	
	Type	Back-lit LCD, monochrome	
Data entry	Function / service keys	12 / 10	
	Numeric / soft function keys	12 / 4	
Functions	Representation of variables	Alphanumeric, bargraph, gauge	
Communication	Downloadable protocols	Multiple (Uni-Telway, Modbus, AEG and for Allen Bradley, GE Fanuc, Omron, Siemens PLCs)	
Development software		XBTL1001 and XBTL1003 (on Windows 98, 2000 and XP)	
Dimensions W x D x H		253 x 62.5 x 155 mm	
Compatibility with PLCs		Twido, Nano, TSX Micro, Premium	
Supply voltage		24 V DC	
Without printer link, without log		<b>XBTPM027010</b>	
With printer link, with log		<b>XBTPM027110</b>	



Type		Terminals with keypad	
Display	Screen size	5.7"	10.4"
	Type	Back-lit monochrome LCD, green 16 levels of grey	TFT, 256 colours
Data entry	Soft function keys with LED	8	10
	Static function keys with LED	10 + legends	12 + legends
	Service keys	12	12
	Alphanumeric keys	12 + 3 alphanumeric access	
Functions	Representation of variables	Alphanumeric, bitmap, bargraph, gauge, potentiometer, selector	
	Recipes	125 records maximum with 5000 values maximum	
	Curves	16	16
	Alarm logs	Yes	Yes
Communication	Downloadable protocols	Uni-Telway, Modbus, AEG and for Allen Bradley, GE Fanuc, Omron, Siemens PLCs	
	Bus and networks	Fipway, Modbus Plus with PCMCIA card (except XBTF011110)	
Development software		XBTL1003 (on Windows 98, 2000 and XP)	
Dimensions W x D x H		220.3 x 88 x 265 mm	296 x 91 x 332 mm
Compatibility with PLCs		Twido, Nano, TSX Micro, Premium, Quantum	
RJ45 Ethernet 10/100 TCP/IP connector		no	no   yes
Supply voltage		24 V DC	24 V DC
References		<b>XBTF011110 / F011310</b>	<b>XBTF024510</b>   <b>XBTF024610</b>

With touchscreen



Type		Terminals with touchscreen	
Display	Screen size	5.7"	10.4"
	Type	LCD STN, 256 colours	LCD TFT, 256 colours
Data entry		Touchscreen	Touchscreen
Functions	Representation of variables	Alphanumeric, bitmap, bargraph, gauge, potentiometer, selector	
	Recipes	125 records maximum with 5000 values maximum	
	Curves	16	16
	Alarm logs	Yes	Yes
Communication	Downloadable protocols	Uni-Telway, Modbus, AEG and for Allen Bradley, GE Fanuc, Omron, Siemens PLCs	
	Bus and networks	Fipway, Modbus Plus with PCMCIA card (except XBTF032110)	
Development software		XBTL1003 (on Windows 98, 2000 and XP)	
Dimensions W x D x H		197 x 92.6 x 147 mm	296 x 91 x 222 mm
Compatibility with PLCs		Twido, Nano, TSX Micro, Premium, Quantum	
RJ45 Ethernet 10/100 TCP/IP connector		no	no   yes
Supply voltage		24 V DC	24 V DC
References		<b>XBTF032110 / F032310</b>	<b>XBTF034510</b>   <b>XBTF034610</b>



# Graphic terminals open to NTIC

(New Technology for Information and Communication)

**With 5.7" touchscreen**



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Type		Optimum	Multifunction		
Display	LCD screen size	5.7"	5.7"	5.7"	5.7"
	Type	Back-lit STN monochrome, blue	Back-lit STN, monochrome black and white	STN, colour 64 colours	TFT, colour 256 colours
Functions	Representation of variables	Alphanumeric, bitmap, bargraph, gauge, button, light, clock, flashing light, keypad			
	Curves	yes, with log	yes, with log	yes, with log	
	Alarm logs	yes, incorporated	yes, incorporated	yes, incorporated	
Communication	Downloadable protocols	Uni-Telway, Modbus	Uni-Telway, Modbus	Uni-Telway, Modbus, Modbus TCP/IP	Uni-Telway, Modbus, Modbus TCP/IP
	Bus and networks	–	–	Ethernet, IEEE 802.3 10 BASE-T, RJ45	Ethernet, IEEE 802.3 10 BASE-T, RJ45
Development software		Vijeo Designer VJDSPULFUCDV10M (on Windows 2000 and XP)			
Dimensions W x D x H		207 x 58 x 157 mm	171 x 60 x 138 mm	132 x 74 x 78 mm	
Compatibility with PLCs		Twido, Nano, TSX Micro, Premium, Quantum			
Built-in Ethernet 10/100 TCP/IP		no	no	yes	no
Supply voltage		24 V DC	24 V DC	24 V DC	24 V DC
References		<b>XBTG2110</b>	<b>XBTG2120</b>	<b>XBTG2130</b>	<b>XBTG2220</b>
				<b>XBTG2330</b>	

**With 7.4", 10.4" or 12.1" touchscreen**



Type		Multifunction			
Display	LCD screen size	7.4"	10.4"	10.4"	12.1"
	Type	TFT, colour 256 colours	STN, colour 64 colours	TFT, colour 256 colours	TFT, colour 256 colours
Functions	Representation of variables	Alphanumeric, bitmap, bargraph, gauge, button, light, clock, flashing light, keypad			
	Curves	yes, with log	yes, with log	yes, with log	
	Alarm logs	yes, incorporated	yes, incorporated	yes, incorporated	
Communication	Downloadable protocols	Uni-Telway, Modbus	Uni-Telway, Modbus, Modbus TCP/IP	Uni-Telway, Modbus, Modbus TCP/IP	Uni-Telway, Modbus, Modbus TCP/IP
	Bus and networks	–	Ethernet, IEEE 802.3 10 BASE-T, RJ45		
Development software		Vijeo Designer VJDSPULFUCDV10M (on Windows 2000 and XP)			
Dimensions W x D x H		215 x 60 x 170 mm	317 x 58 x 243 mm		
Compatibility with PLCs		Twido, Nano, TSX Micro, Premium, Quantum			
«Compact Flash» card slot		yes	yes	yes	yes
Built-in Ethernet 10/100 TCP/IP		no	yes	yes	yes
Supply voltage		24 V DC	24 V DC	24 V DC	24 V DC
References		<b>XBTG4320</b>	<b>XBTG4330</b>	<b>XBTG5230</b>	<b>XBTG5330</b>
					<b>XBTG6330</b>





Connection cables	PC to Magelis transfer cables (2.5 m)		
Application	PC to all XBTN200 and N400	PC to all XBT except XBTN200, N400 and XBTG	PC to XBTG
Type of connector	RJ45 / MiniDin + SUB D 9	SUB D 9 / SUB D 25	SUB D 9 / MiniDin
Physical link	RS 232C	RS 232C	TTL
References	<b>XBTZ945</b>	<b>XBTZ915</b>	<b>XBTZG915</b>

Connection cables	Telemecanique PLC connection cables (2.5 m)			
Application	XBTN200, N400 to Twido, Nano, TSX Micro, Premium	all XBT (except XBTN200, N400) to Twido, Nano, TSX Micro, Premium	Quantum	Momentum (port 1)
Type of connector	MiniDin / SUB D 25	RJ45 / MiniDin	SUB D 9 / SUB D 25	RJ45 / SUB D 25
Physical link	RS 485	RS 485	RS 232	RS 232
References	<b>XBTZ968</b>	<b>XBTZ978</b>	<b>XBTZ9710</b>	<b>XBTZ9711</b>



Network cards	PCMCIA type III card	
Compatibility	XBTF	XBTF
Protocol	Modbus Plus	Fipway
References	<b>TSXMBP100</b>	<b>TSXFPP20</b>



Memory cards	PCMCIA type II card	«Compact Flash» card	
Compatibility	XBTF	XBTG (except XBTG2110)	
Capacity	16 Mb	16 Mb	32 Mb
References	<b>XBTMEM16</b>	<b>XBTZGM16</b>	<b>XBTZGM32</b>



Type		i PC Smart	i PC Compact	
Display	Size	15" active matrix XGA (1024 x 768)		
	Type	Back-lit active matrix TFT colour LCD (262,144 colours)		
Data entry		Via touchscreen	Via touchscreen	
Processor	Type	VIA	VIA	Intel Pentium 4 Mobile
	Frequency	667 MHz	667 MHz	1.7 GHz
Internal hard disk		–	≥ 20 Gb IDE, 2 1/2"	
RAM memory		128 Mb expandable up to 512 Mb	256 Mb expandable up to 512 Mb (1 memory slot max.)	
CD-ROM drive		–	Yes, 24 x	
Expansion slots		2 PCMCIA slots	1 PCI bus slot, 2 PCMCIA slots,	
		–	1 Compact Flash slot	
Ethernet TCP/IP network		1 x 10 BASE-T/100 BASE-TX (RJ45)		
Operating system		Windows XPe integrated	Windows 2000 pre-installed	
Input/Output ports		2 x USB, 1 x COM1, 1 x COM2,	2 x USB, 1 x COM1, 1 x COM2,	
	on front panel	1 x LPT1 (parallel), 1 x PS/2 keyboard	1 x LPT1 (parallel), 1 x PS/2 keyboard and 1 x PS/2 mouse	
Fixing		–		
Dimensions W x D x H		395 x 62 x 294 mm	395 x 100 x 294 mm	
Supply voltage		24 V DC	115...230 V AC	
References		MPCKT52NDJ00T	MPCKT52NAA00N	MPCKT55NAA00N

### Combined offers (bundle pack)

Magelis i PC Compact industrial PCs can be supplied with software packages.  
Characteristics identical to standard industrial PCs shown above.

Type		Compact i PC		
Processor	Type	VIA	Intel Pentium 4M	
Applications		Vijeo Look	Vijeo Look	
Pre-installed software		Vijeo Look 2.5 RT1024	Vijeo Look 2.5 RT1024	Vijeo Look 2.5 BT1024
References		MPCKT52NAA00A	MPCKT55NAA00A	MPCKT55NAA00B

### Accessories

Compact Flash card	
Capacity	512 Mb (empty) for i PC Smart or i PC Compact
References	MPCYN00CFE00N

RAM memory expansion		
Capacity	512 Mb SO DIMM for VIA	512 Mb SO DIMM for Pentium 4 Mobile
References	MPCKYK02RAM512	MPCKYK05RAM512



Type		12" front panel screen		
Display	Size	12" active matrix SVGA (800 x 600)		
	Type	Back-lit active matrix TFT colour LCD (262,144 colours)		
Data entry	Keyboard	Via keyboard	Via keyboard and touchscreen	Via touchscreen
	Keyboard	70 standard IBM keys + 2 x 10 user function keys	–	–
Dimensions W x D x H		410 x 52.7 x 330 mm	410 x 52.7 x 330 mm	380 x 52.7 x 330 mm
Input/Output ports on front panel		1 x IrDA infrared and 1 x PS/2 keyboard/mouse		
Associated product		1 central unit Control box or 1 central unit Control box pack (combined offer)		
Fixing		Fixings included with each screen for mounting on panel or enclosure door		
Supply voltage		From Control box unit		
References		MPCNA20NNN00N	MPCNB20NNN00N	MPCNT20NNN00N



Type		15" front panel screen		
Display	Size	15" active matrix XGA (1024 x 768)		
	Type	Back-lit active matrix TFT colour LCD (262,144 colours)		
Data entry	Keyboard	Via keyboard	Via keyboard and touchscreen	Via touchscreen
	Keyboard	70 standard IBM keys + 2 x 10 user function keys	–	–
Dimensions W x D x H		480 x 52.7 x 370 mm	480 x 52.7 x 370 mm	460 x 52.7 x 340 mm
Input/Output ports on front panel		1 x IrDA infrared and 1 x PS/2 keyboard/mouse		
Associated product		1 central unit Control box or 1 central unit Control box pack (combined offer)		
Fixation		Fixings included with each screen for mounting on panel or enclosure door		
Supply voltage		From Control box unit		
References		MPCNA50NNN00N	MPCNB50NNN00N	MPCNT50NNN00N

# Modular industrial PCs

## iPC Modular range



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Central unit Control box type		Small	Medium		Large	
Processor	Type	Intel Celeron	Intel Celeron	Intel Pentium III	Intel Celeron	Intel Pentium III
	Frequency	566 MHz	566 MHz	850 MHz	566 MHz	850 MHz
Internal hard disk		≥ 20 Gb IDE, 2 1/2"				
RAM memory		128 Mb SDRAM expandable up to 512 Mb (2 memory slots max.)				
CD-ROM drive		Optional	Yes, removable 24 x			
Expansion slots		–	3 slots (1 ISA bus, 1 PCI bus and 1 ISA/PCI bus)		6 slots (2 ISA bus, 3 PCI bus and 1 ISA/PCI bus)	
Ethernet TCP/IP network		1 x 10 BASE-T/100 BASE-TX (RJ45)				
Bus and networks		–	With additional card on ISA or PCI bus: Modbus/Uni-Telway/Fipio bus, Modbus Plus/Fipway networks, INTERBUS-S/Profibus DP/CANopen Third party bus			
Video card	built-in	PCI 64 bit controller, 2 Mb RAM				
Operating system		Windows 2000 pre-installed				
Input/Output ports		2 x USB, 1 x COM1, 1 x COM4 and 1 x LPT1 (parallel) 1 x external VGA video screen, 1 x PS/2 keyboard (1) and 1 x PS/2 pointing device (1)				
Associated product		1 front panel screen or as a stand-alone (2)				
Fixings		Fixings included with each screen for mounting on panel or enclosure door				
Dimensions W x D x H		310 x 310 x 94.2 mm	310 x 310 x 184.5 mm		310 x 310 x 258 mm	
115...230 V AC supply voltage		MPCAN02NAA00N	MPCBN02NAA00N	MPCBN05NAA00N	MPCCN02NAA00N	MPCCN05NAA00N
24 V DC supply voltage		MPCAN02NDA00N	MPCBN02NDA00N	MPCBN05NDA00N	MPCCN02NDA00N	MPCCN05NDA00N

(1) Port not operational when the central unit Control box is used with the front panel screen.

(2) To use the Control box without a front panel screen, mounting panel **MPCNP00NNN00N** is required.

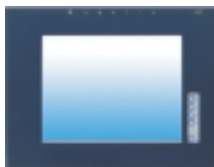
## Combined offers (bundle pack)

Magelis iPC central unit Control boxes (115...230 V AC supply) can be supplied with software packages.

Characteristics identical to standard Control box units shown above.

Central unit Control box type		Small	Medium		
Processor	Type	Intel Celeron, 566 MHz	Intel Celeron, 566 MHz		
Pre-installed software	Pack A «Monitoring RT»	Vijeo Look supervision, 1024 I/O "Run Time"	Vijeo Look supervision, 1024 I/O "Run Time"		
	Pack B «Monitoring BT/RT»	–	Vijeo Look supervision, 1024 I/O "Build Time/Run Time"		
Pack A, 115 ... 230 V AC supply voltage		MPCAN02NAA00A	MPCBN02NAA00A		
Pack B, 115 ... 230 V AC supply voltage		–	MPCBN02NAA00B		

## Accessories



Separate components				
Description	External LCD flat screen, flush mounting 12" SVGA (800 x 600)   15" XGA (1024 x 768)		Swivel arm for external screen	Qwerty keyboard 101 keys, PS/2
References	–	–	MPCYN00ARM00N	MPCYN00KBD00N
	115...230 V AC supply voltage	MPCYS20NAN00N	MPCYS50NAN00N	–
	24 V DC supply voltage	MPCYS20NDN00N	MPCYS50NDN00N	–

Separate components for Control box				
Description	SDRAM memory expansion 64 Mb   128 Mb   256 Mb			CD-ROM drive for Small Control box
References	MPCYN00RAM064	MPCYN00RAM128	MPCYN00RAM256	MPCAN0 MPCYN00CDR00N