

Description

Magelis XBT GT1105/1135/1335 Advanced Panels

Front panel

The front panels of Magelis XBT GT1105/1135/1335 Advanced Panels comprise:

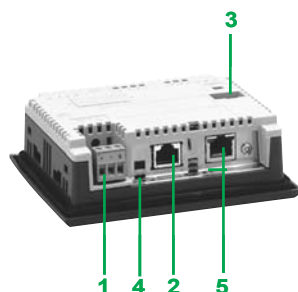
- 1 A touch screen for displaying synoptic views (3.8" amber or red mode monochrome, colour TFT)
- 2 A control LED indicating the operating mode of the terminal



Rear panel

The rear panels of Magelis XBT GT1105/1135/1335 Advanced Panels comprise:

- 1 A removable screw terminal block for the 24 V $\overline{\text{---}}$ power supply
- 2 An RJ45 connector for RS 232C or RS 485 serial link connection to PLCs (COM1)
- 3 A USB type A host connector for peripheral connection, application transfer and Modicon M340 terminal port communication
- 4 A switch for polarization of the serial link used on RS 485 Modbus



On XBT GT1135/1335 only

- 5 An RJ45 connector for Ethernet TCP/IP link, 10/100BASE-T

Type of terminal		XBT GT1105	XBT GT1135	XBT GT1335	
Environment					
Conformity to standards		EN 61131-2, IEC 61000-6-2, FCC (Class A), UL 508, UL 1604, CSA C22-2 no. 14			
Product certifications		CE, cULus, CSA, Class 1 Div 2 T4A or T5 (UL and CSA), C-Tick, ATEX Zone 2/22			
Temperature	Operation	0...50°C			
	Storage	-20...+60°C			
Relative humidity		0...85% (non-condensing)	0...90% (non-condensing)		
Altitude		< 2000 m			
Degree of protection	Front panel	IP 65 conforming to IEC 60529, Nema 4X (with fixing by means of 4 screw clips)			
	Rear panel	IP 20 conforming to IEC 60529			
Shock resistance		Conforming to IEC 60068-2-27; semi-sinusoidal pulse 11 ms, 15 gn on the 3 axes			
Vibrations		Conforming to IEC 60068-2-6; 5...9 Hz at 3.5 mm; 9...150 Hz at 1 gn			
E.S.D.		Conforming to IEC 61000-4-2, level 3			
Electromagnetic interference		Conforming to IEC 61000-4-3, 10 V/m			
Electrical interference		Conforming to IEC 61000-4-4, level 3			
Mechanical characteristics					
Mounting and fixing	Mounting on 1.6...5 mm thick panel		Flush mounted, fixed by 4 screw clips (included) or 2 spring clips (to be ordered separately)		
Material	Case		Polycarbonate/polyethylene terephthalate alloy		
Keys		—			
Electrical characteristics					
Power supply	Voltage	24 V ---			
	Limits	19.2...28.8 V ---			
	Voltage break	≤ 2 ms			
Inrush current		≤ 60 A			
Consumption		13 W			
Functional characteristics					
LCD screen	Type	Backlit monochrome STN		Colour TFT	
	Colour	Amber or red, 8 levels of grey		256 colours	
	Definition	320 x 240 pixels (QVGA)			
	Size (W x H)	3.8" (76.7 x 57.5 mm)			
	Touch-sensitive area	Analog			
	Backlighting (service life)		50,000 hours used in amber mode, 10,000 hours used in red mode	40,000 hours	
	Adjustments	Brightness	16 levels		
		Contrast	8 levels via touch panel		—
	Character fonts		ASCII, Japanese (ANK, Kanji), Chinese (simplified Chinese), Taiwanese (traditional Chinese), Korean		
Dialogue application	Max. number of pages		Limited by capacity of internal Flash EPROM memory		
Signalling		1 LED: green for normal operation			
Operating system/processor		Magelis RISC CPU	200 MHz		
Memory	Application	Flash EPROM	32 MB		
	Data backup	512 KB SRAM (lithium batteries)			
Schneider Electric protocols		Modicon	Modbus, Uni-TE	Modbus, Uni-TE and Modbus TCP	
Third-party protocols	Mitsubishi	Melsec	A Link (SIO)		
			—	A/Q Ethernet (TCP), Q Ethernet (UDP)	
	Omron	Sysmac	FINS (SIO), LINK (SIO)		
			—	FINS (Ethernet)	
	Rockwell Automation	Allen-Bradley	DF1-Full Duplex, DH 485		
			—	Ethernet IP (PLC5, SLC500, MicroLogix, ControlLogix), Ethernet IP (native)	
Siemens	Simatic	MPI (S7-300/400), RK512/3964R (S7-300/400), PPI (S7-200)			
Real-time clock		—			Ethernet
Real-time clock		Built-in real-time clock			
Connection	Power supply	Removable screw terminal block: 3 terminals (pitch 5.08 mm), tightening torque 0.5 Nm			
	COM1 serial link (115.2 kbps max.)	RJ45 connector (RS 232C/RS 485 serial link), compatible with Siemens MPI (187.5 kbps)			
	Ethernet TCP/IP network 10/100Base-TX	—	RJ45 connector		
Mini-DIN port	Application downloading	—			
	USB port (V1.1) for downloading applications, peripheral connection and Modicon M340 terminal port communication	Type A host			