

Product datasheet

Specifications



5”7 LCD TFT color controller panel - 16 inputs/16 outputs source

XBTGC2330T

⚠ Discontinued on: 31-Aug-2023

⚠ To be end-of-service on: 29-Jan-2027

⚠ Discontinued

Main

Range of product	Magelis XBT GC, GT/GK with control
Product or component type	Small touch HMI controller
Display size	5.7 inch
Display type	Backlit colour TFT LCD
Display colour	65000 colours
Pixel resolution	320 x 240 pixels QVGA
Touch panel	Analogue
[Us] rated supply voltage	24 V DC
Supply	External source
Supply voltage limits	19.2...28.8 V
Enclosure material	PPT

Complementary

Backlight lifespan	50000 hours
Brightness	8 levels via touch panel
Contrast	8 levels via touch panel
Character font	ASCII Japanese (ANK, Kanji) Korean Chinese (simplified Chinese) Taiwanese (traditional Chinese)
Inrush current	30 A
Power consumption in W	27 W
Local signalling	1 LED green for normal operation
Number of pages	Limited by internal memory capacity
Software designation	SoMachine
Operating system	Magelis
Processor name	CPU RISC
Processor frequency	131 MHz
Memory description	Application memory 16 MB Back up of data 512 KB

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Integrated connection type	1 USB port (V1.1) USB type A Power supply removable screw terminal block COM1 serial link male SUB-D 9 <= 115.2 kbits/s RS232C/RS422/RS485 1 Ethernet TCP/IP RJ45
I/O expansion capacity	3 M238 modules
Realtime clock	Built-in
Downloadable protocols	Third party protocols Modbus Modbus TCP/IP Uni-TE
Fixing mode	By 4 screw clips, mounting on 1.6...5 mm thick panel
Marking	CE
Discrete input number	16
Discrete input voltage	24 V
Discrete input voltage type	DC
Number of common point	1I/2O
Input voltage limits	20.4...28.8 V
Discrete input logic	Source
Discrete input current	5 mA for other I0.i 6.5 mA for I0.0, I0.2, I0.4, I0.6
Input impedance	3.7 kOhm for I0.0, I0.2, I0.4, I0.6 4.7 kOhm for other I0.i
Filter time	0.5...20 ms at state 0 0.5...20 ms at state 1
Isolation between channels	None
Discrete output number	16
Discrete output type	Transistor
Discrete output voltage	24 V
Output voltage limits	20.4...28.8 V
Discrete output logic	Source
Discrete output current	0.2 A
Maximum current per output common	1.6 A
Response time	5 µs at state 0 Q0.0...Q0.3 5 µs at state 1 Q0.0...Q0.3 500 µs at state 0 other Q0.i 500 µs at state 1 other Q0.i
[Ures] residual voltage	0.5 V at state 1
Maximum leakage current	0.1 mA
Short-circuit protection	2.5 A fuse
Height	135 mm
width	167.4 mm
Depth	77.6 mm
Net weight	1 kg

Environment

Immunity to microbreaks	3 ms
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Standards	CSA C22.2 No 14 FCC Class A UL 1604 UL 508 IEC 61000-6-2 EN 61131-2
Product certifications	CSA UL class 1 Div2 T4A ou T5 cULus C-Tick
Ambient air temperature for operation	0...50 °C
Ambient air temperature for storage	-20...60 °C
Relative humidity	10...90 % without condensation
Operating altitude	<= 2000 m
IP degree of protection	IP20 (rear panel) conforming to IEC 60529 IP65 (front panel) conforming to IEC 60529
NEMA degree of protection	NEMA 4X front panel
Shock resistance	147 m/s² conforming to IEC 60068-2-27
Vibration resistance	+/- 3.5 mm (f = 5...9 Hz) conforming to IEC 60068-2-6 1 gn (f = 9...150 Hz) conforming to IEC 60068-2-6
Resistance to electromagnetic fields	10 V/m conforming to IEC 61000-4-3

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	17.5 cm
Package 1 Width	27.0 cm
Package 1 Length	22.5 cm
Package 1 Weight	1.45 kg
Unit Type of Package 2	CAR
Number of Units in Package 2	4
Package 2 Height	37.0 cm
Package 2 Width	33.0 cm
Package 2 Length	47.0 cm
Package 2 Weight	5.8 kg
Unit Type of Package 3	P06
Number of Units in Package 3	8
Package 3 Height	49.0 cm
Package 3 Width	80.0 cm
Package 3 Length	60.0 cm
Package 3 Weight	18.6 kg

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[How this information helps you >](#)

Use Better

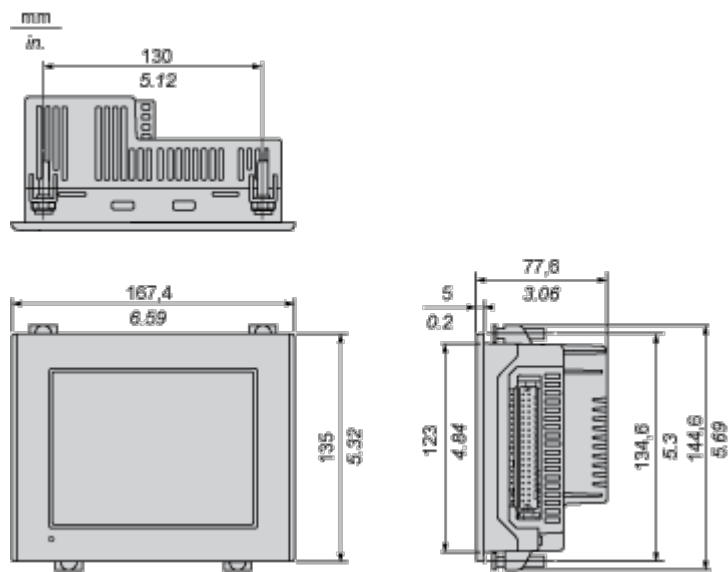
 Materials and Substances	
Packaging made with recycled cardboard	No
Packaging without single use plastic	No
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
China RoHS Regulation	China RoHS declaration

Use Again

 Repack and remanufacture	
WEEE	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Take-back	No

Dimensions Drawings

Dimensions

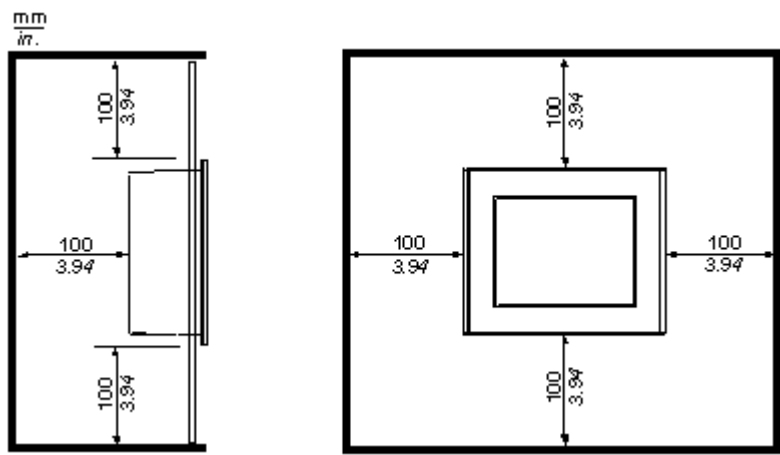


Mounting and Clearance

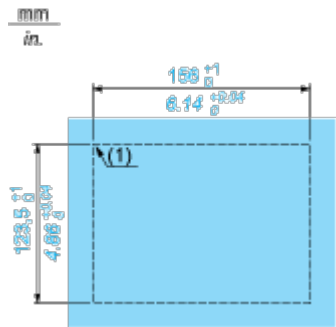
Clearance

Installation Requirements

For easier maintenance, operation and improved ventilation, be sure to install the unit at least 100 mm (3.94 in) away from adjacent structures and other equipment:



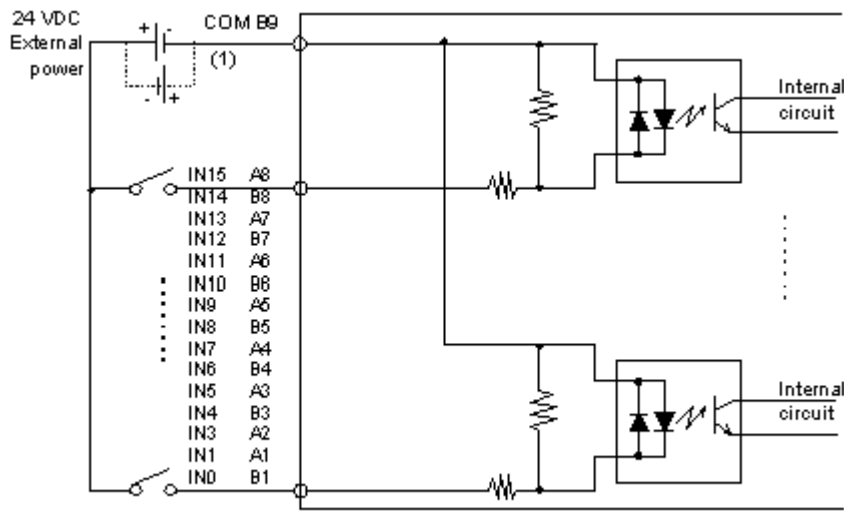
Panel Cut-out Dimensions



Connections and Schema

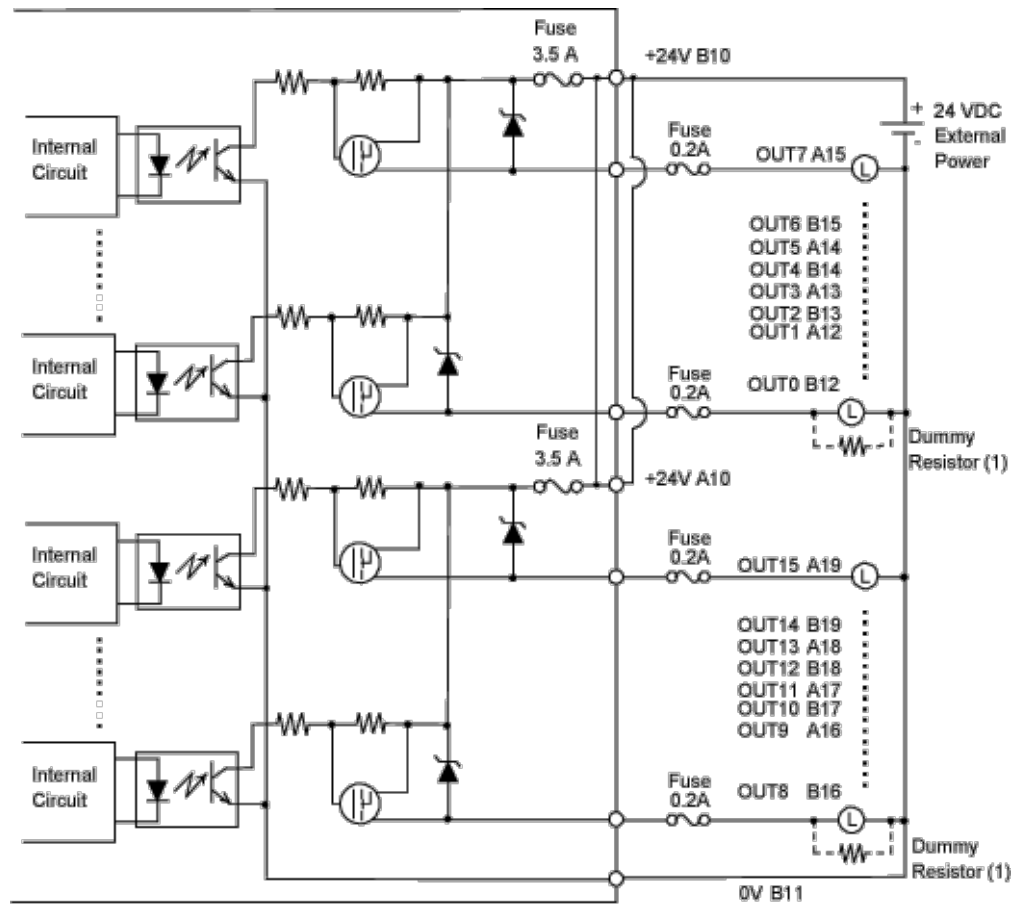
Wiring Diagrams

Input Circuit



(1) Dotted line shows connection to sink output type

Output Circuit (Source)



(1) (Example) The output delay time (OFF to ON) is 1.5 μ s where the output current is 50 mA. Install an external dummy resistor to increase the amount of current when faster response is required when the load is light.

