

# Product data sheet

Specifications



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

XBTGC2330U

⚠ Discontinued on: Jun 30, 2023

⚠ To be end-of-service on: Jun 30, 2027

⚠ Discontinued - Service only

Product availability: Non-Stock - Not normally stocked in distribution facility

### 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	Taiwanese (traditional Chinese) Korean Japanese (ANK, Kanji) ASCII Chinese (simplified Chinese)
Inrush current	30 A
Power Consumption in W	27 W
Local signalling	1 LED green 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

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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	Uni-TE Third party protocols Modbus TCP/IP Modbus
Fixing mode	By 4 screw clips 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	Sink
Discrete input current	5 mA other IO.i 6.5 mA IO.0, IO.2, IO.4, IO.6
Input impedance	3.7 kOhm IO.0, IO.2, IO.4, IO.6 4.7 kOhm other IO.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	Sink
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	5.3 in (135 mm)
Width	6.6 in (167.4 mm)
Depth	3.06 in (77.6 mm)
Net Weight	2.2 lb(US) (1 kg)

## Environment

Immunity to microbreaks	3 ms
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Standards	UL 1604 UL 508 IEC 61000-6-2 EN 61131-2 CSA C22.2 No 14 FCC Class A
Product Certifications	CSA UL class 1 Div2 T4A ou T5 C-tick cULus
Ambient Air Temperature for Operation	32...122 °F (0...50 °C)
Ambient Air Temperature for Storage	-4...140 °F (-20...60 °C)
Relative humidity	10...90 % without condensation
Operating altitude	<= 6561.68 ft (2000 m)
IP degree of protection	IP20 IEC 60529 rear panel) IP65 IEC 60529 front panel)
NEMA degree of protection	NEMA 4X front panel
Shock resistance	147 m/s²IEC 60068-2-27
Vibration resistance	+/- 3.5 mm 5...9 Hz) IEC 60068-2-6 1 gn 9...150 Hz) IEC 60068-2-6
Resistance to electromagnetic fields	9.1 V/m (10 V/m) IEC 61000-4-3

## Ordering and shipping details

Category	US10MC222568
Discount Schedule	0MC2
GTIN	3595864167138
Returnability	No
Country of origin	CN

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	6.7 in (17.0 cm)
Package 1 Width	8.7 in (22.0 cm)
Package 1 Length	10.6 in (27.0 cm)
Package 1 Weight	3.15 lb(US) (1.43 kg)

# Sustainability



**Green Premium™ label** is Schneider Electric’s commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

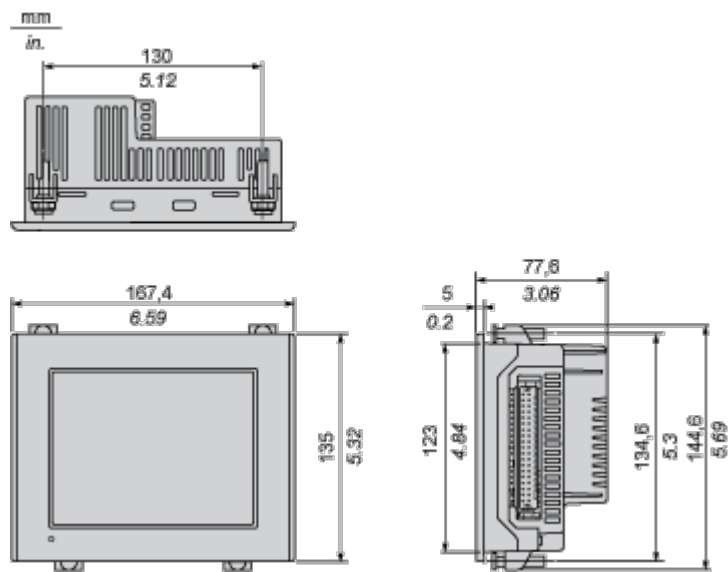
[Guide to assess a product’s sustainability >](#)

## Well-being performance

 Mercury Free	
 Rohs Exemption Information	<a href="#">Yes</a>
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
China Rohs Regulation	<a href="#">China RoHS declaration</a>
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.
California Proposition 65	"WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to <a href="#">www.P65Warnings.ca.gov</a> "

Dimensions Drawings

Dimensions

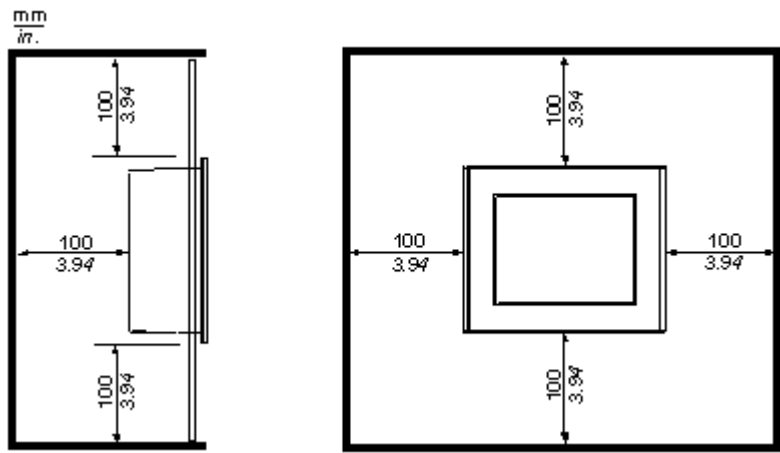


Mounting and Clearance

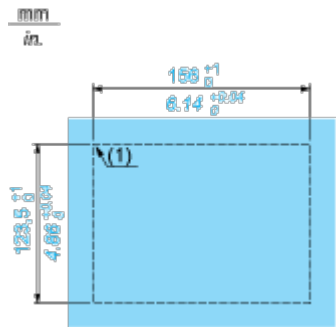
Clearance

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

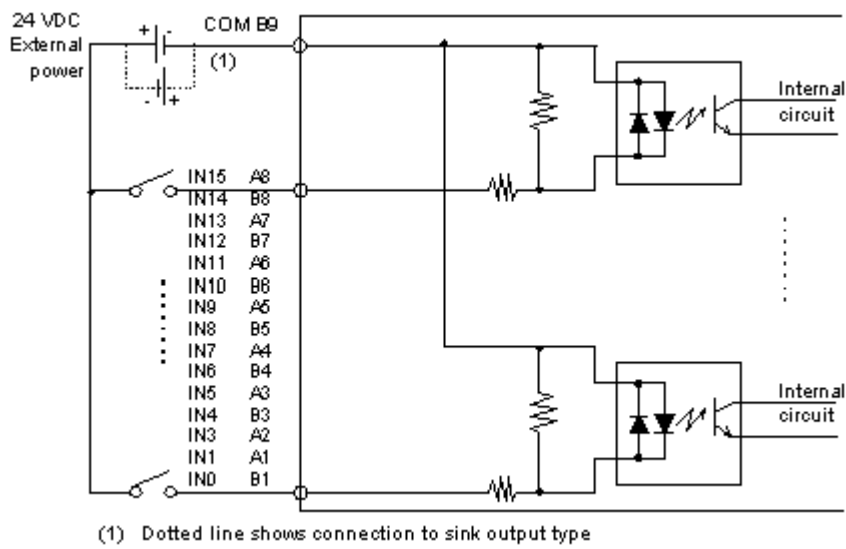


(1) r<3

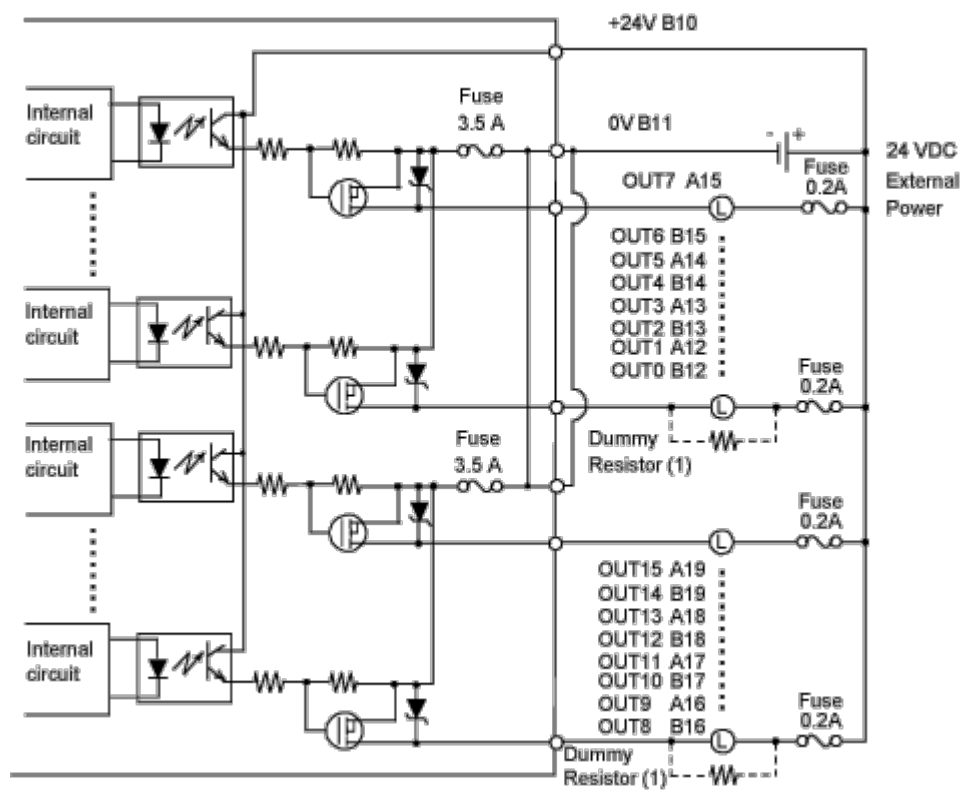
Connections and Schema

Wiring Diagrams

Input Circuit



Output Circuit (Sink)



(1) (Example) The output delay time (OFF to ON) is 1.5  $\mu$ 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.