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Product data sheet
Characteristics

HMIGTO2310
advanced touchscreen panel 320 x 240 pixels QVGA- 5.7" TFT - 96 MB



Main

Range of product	Harmony GTO
Product or component type	Advanced touchscreen panel
Display colour	65536 colours
Display size	5.7 inch
Supply	External source
Operating system	Harmony
Battery type	Lithium internal RAM 100 days 5 day(s) 10 year(s)

Complementary

Terminal type	Touchscreen display
Display type	Backlit colour TFT LCD
Display resolution	320 x 240 pixels QVGA
Touch sensitive zone	1024 x 1024
Touch panel	Resistive film, 1000000 cycles
Backlight lifespan	50000 hours white 77 °F (25 °C)
Brightness	16 levels by touch panel 16 levels by software
Character font	Korean Taiwanese (traditional Chinese) ASCII (European characters) Chinese (simplified Chinese) Japanese (ANK, Kanji)
[Us] rated supply voltage	24 V DC
Supply voltage limits	19.2…28.8 V
Inrush current	30 A
Maximum power consumption in W	6.5 W when power is not supplied to external devices 4.5 W when backlight is OFF 5 W when backlight is dimmed 10.5 W
Local signalling	Status LED green, steady offline Status LED green, steady operating Status LED orange, flashing software starting up Status LED red, steady power supply (ON) Status LED clear, faded power supply (OFF) COM2 LED yellow, steady data is being transmitted COM2 LED yellow, faded no data transmission SD card LED green, steady card is inserted SD card LED green, faded card is not inserted or is not being accessed
Software designation	Vijeo Designer configuration software >= V6.1
Memory description	Flash EPROM, 96 MB
Data backed up	512 kB internal RAM SRAM)
Data storage equipment	SD card, <= 32 GB SDHC card, <= 32 GB

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein.
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.
It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof.
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Downloadable protocols	Schneider Electric Modicon Modbus Schneider Electric Modicon Uni-TE Schneider Electric Modicon Modbus Plus Schneider Electric Modicon FIPWAY Mitsubishi Melsec third party protocols Omron Sysmac third party protocols Rockwell Automation Allen-Bradley third party protocols Siemens Simatic third party protocols Schneider Electric Modicon Modbus TCP
Integrated connection type	COM1 serial link SUB-D 9 RS232C 2400...115200 bps COM2 serial link RJ45 RS485 2400...115200 bps COM2 serial link RJ45 RS485 187.5 kbps Siemens MPI Ethernet RJ45 10BASE-T/100BASE-TX Ethernet RJ45 IEEE 802.3 USB 2.0 type A USB 2.0 type mini B
Product mounting	Flush mounting
Fixing mode	By 4 screw clamps
Front material	PPT
Enclosure material	PPT
Type of cooling	Natural convection
Maximum Width	6.67 in (169.5 mm)
Height	5.39 in (137 mm)
Depth	2.34 in (59.5 mm)
Net Weight	1.76 lb(US) (0.8 kg)

Environment

Standards	IEC 61000-6-2 UL 508 EN 61131-2
Product certifications	CULus C-tick CE KCC
Ambient air temperature for operation	32…131 °F (0…55 °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 (indoor use)
Shock resistance	147 m/s² 3 chocks in each direction X, Y and Z EN/IEC 61131-2
Vibration resistance	3.5 mm 5…9 Hz) - X, Y, Z directions for 10 cycles (approx. 100 min) - EN/IEC 61131-2 1 gn 9…150 Hz) - X, Y, Z directions for 10 cycles (approx. 100 min) - EN/IEC 61131-2
Resistance to electrostatic discharge	6 kV contact discharge IEC 61000-4-2 level 3

Ordering and shipping details

Category	22569 - MAGELIS XBT-GT (AND XBT-G)
Discount Schedule	MC2
GTIN	00785901415435
Nbr. of units in pkg.	1
Package weight(Lbs)	2.71 lb(US) (1.23 kg)
Returnability	Yes
Country of origin	CN

Packing Units

Package 1 Height	5.75 in (14.600 cm)
Package 1 width	7.32 in (18.600 cm)
Package 1 Length	9.37 in (23.800 cm)

Offer Sustainability

Sustainable offer status	Green Premium product
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 www.P65Warnings.ca.gov
REACh Regulation	REACh Declaration
REACh free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS Declaration
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

Contractual warranty

Warranty	18 months

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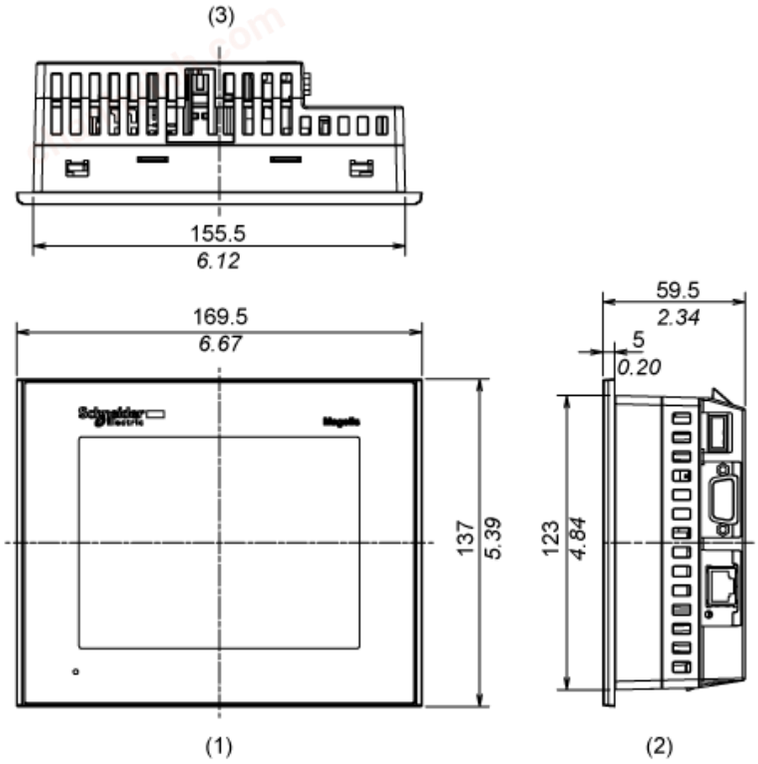
Product data sheet
Dimensions Drawings

HMIGTO2310

Dimensions

External Dimensions

mm
in.

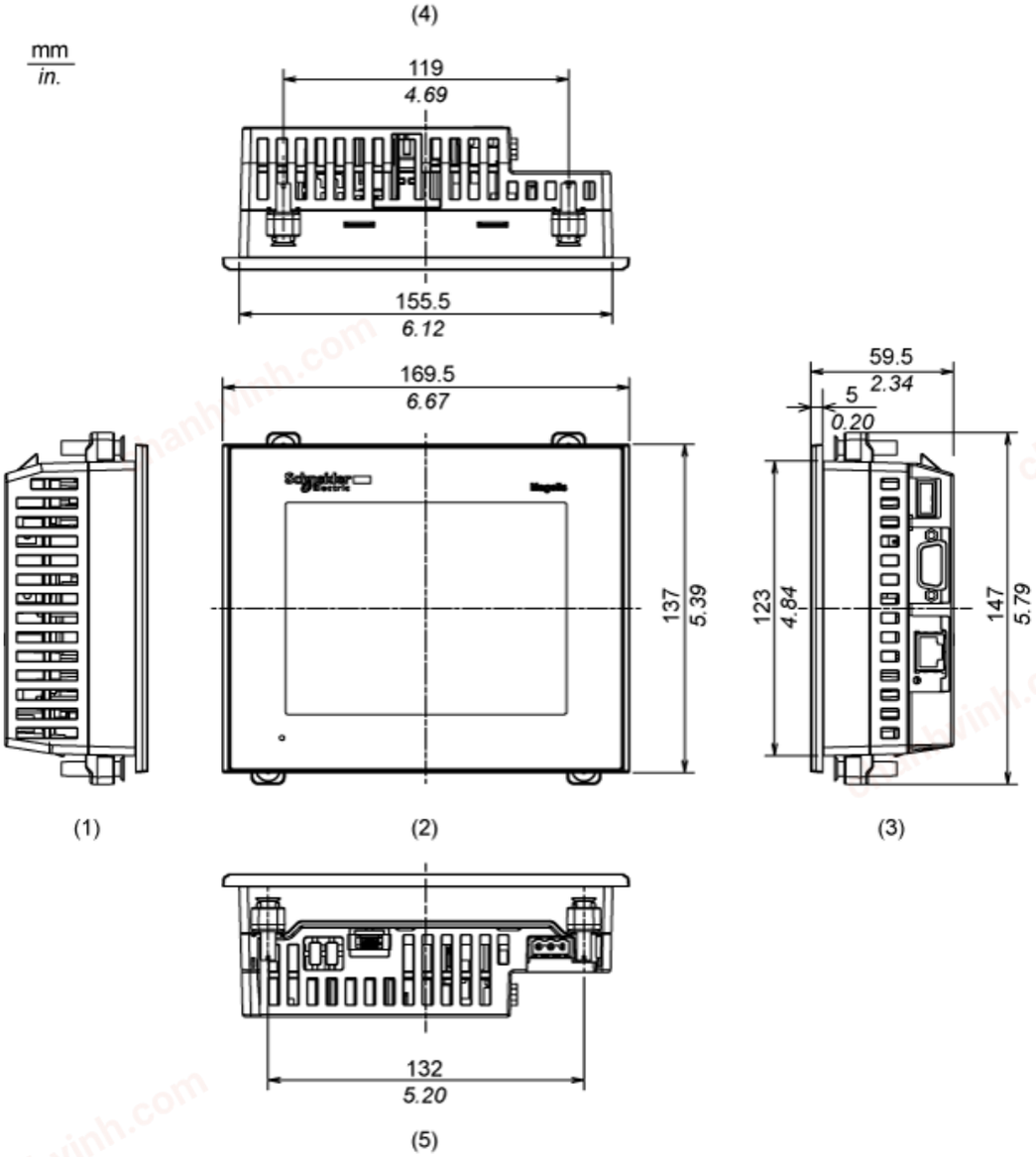


1 Front
2 Right Side
3 Top

Life Is On Schneider Electric

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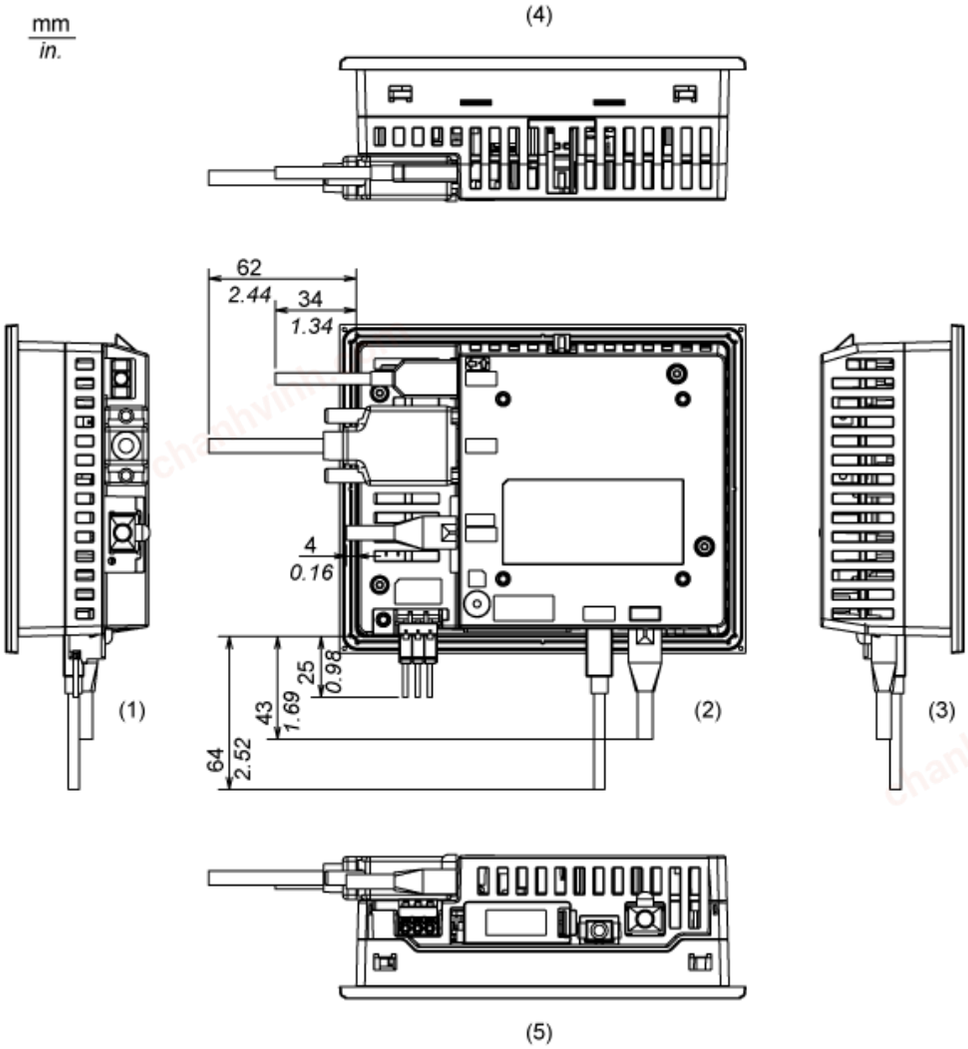
Installation with Installation Fasteners



1 Left Side
2 Front
3 Right Side
4 Top
5 Bottom

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Dimensions with Cables



1 Left Side
2 Rear
3 Right Side
4 Top
5 Bottom

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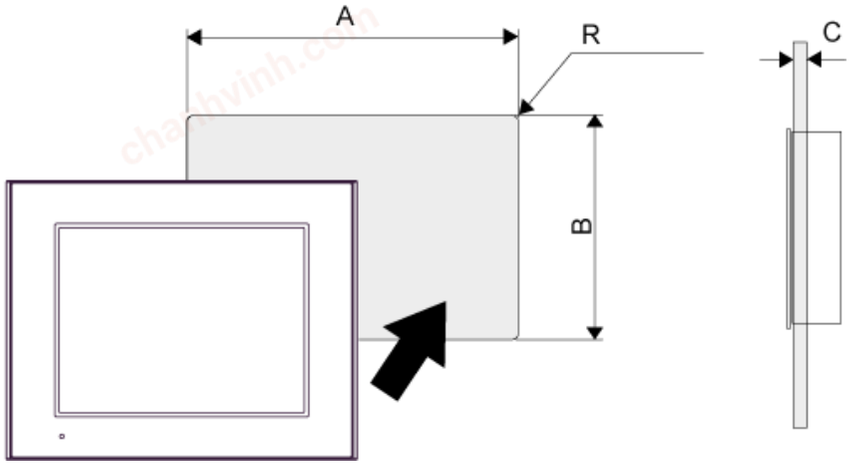
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Product data sheet
Mounting and Clearance

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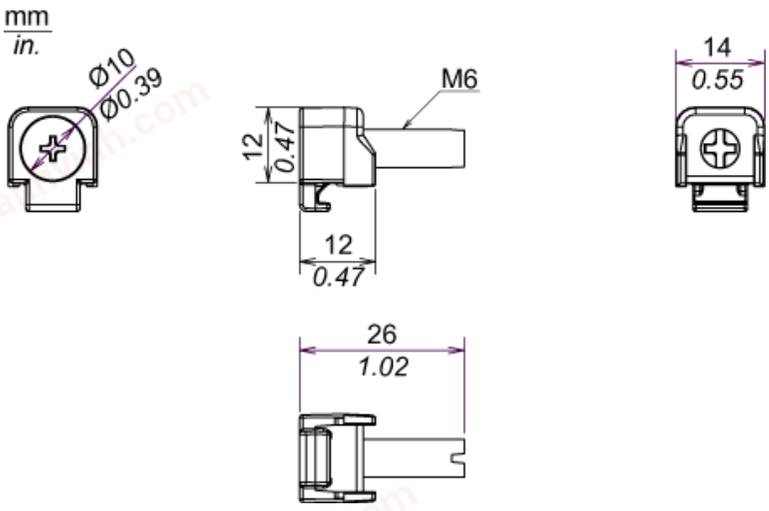
Mounting

Panel Cut Dimensions



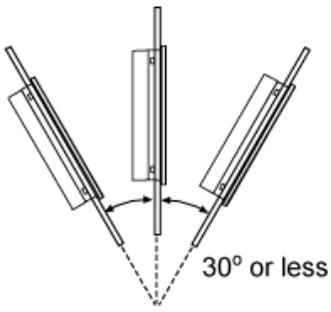
A		B		C		R	
mm	in.	mm	in.	mm	in.	mm	in.
156 (+1, -0)	6.14 (+0.04, -0)	123.5 (+1, -0)	4.86 (+0.04, -0)	1.6...5	0.06...0.2	3 max.	0.12 max.

Installation Fastener Dimensions



Installation Requirements

Mounting Angle



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When installing the panel in a slanted position with an incline more than 30°, the ambient temperature must not exceed 40 °C (104 °F). You may need to use forced air cooling (fan,A/C) to ensure the ambient operating temperature is 40°C or less (104 °F or less).

Clearance

