# **Product data sheet**

Specifications





# advanced touchscreen panel, Harmony GTO, 640 x 480pixels VGA, 7.5inch TFT, 96MB

HMIGTO4310

Product availability: Stock - Normally stocked in distribution

Price\*: 3,110.00 USD

### Main

Range of Product	Harmony GTO				
Product or Component Type	Advanced touchscreen panel				
Display colour	65536 colours				
display size	7.5 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	640 x 480 pixels VGA				
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) Japanese (ANK, Kanji) ASCII Chinese (simplified Chinese)				
[Us] rated supply voltage	24 V DC				
Supply voltage limits	19.228.8 V				
Inrush current	30 A				
Maximum power consumption in W	8 W when power is not supplied to external devices 5 W when backlight is OFF 5.5 W when backlight is dimmed 12 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				

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

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				
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 2400115200 bps COM2 serial link RJ45 RS485 2400115200 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				
Width	8.6 in (218 mm)				
Height	6.8 in (173 mm)				
Depth	2.4 in (60 mm)				
Net Weight	2.6 lb(US) (1.2 kg)				

## **Environment**

Standards	IEC 61131-2 IEC 61000-6-2 UL 508  CE cULus KCC C-tick UKCA UKEX				
Product Certifications					
Ambient Air Temperature for Operation	32131 °F (055 °C)				
Ambient air temperature for storage	-4140 °F (-2060 °C)				
Relative humidity	1090 % 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 IEC 61131-2				
Vibration resistance	3.5 mm 59 Hz) - X, Y, Z directions for 10 cycles (approx. 100 min) - IEC 61131-2 1 gn 9150 Hz) - X, Y, Z directions for 10 cycles (approx. 100 min) - IEC 61131-2				
Resistance to electrostatic discharge	6 kV contact discharge IEC 61000-4-2 level 3				

# Ordering and shipping details

Category	US10MC222569
Discount Schedule	0MC2
GTIN	3595864150277
Returnability	Yes
Country of origin	ID

# **Packing Units**

Unit Type of Package 1	PCE			
Number of Units in Package 1	1			
Package 1 Height	5.709 in (14.500 cm)			
Package 1 Width	10.394 in (26.400 cm)			
Package 1 Length	12.008 in (30.500 cm)			
Package 1 Weight	3.377 lb(US) (1.532 kg)			
Unit Type of Package 2	P12			
Number of Units in Package 2	64			
Package 2 Height	41.339 in (105.000 cm)			
Package 2 Width	31.496 in (80.000 cm)			
Package 2 Length	47.244 in (120.000 cm)			
Package 2 Weight	273.373 lb(US) (124.000 kg)			

## **Contractual warranty**

Warranty 18 months

# Sustainability Green Premium

**Green Premium**<sup>TM</sup> **label** is Schneider Electric's commitment to delivering products with best-inclass 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 >





Transparency RoHS/REACh

### Well-being performance



Mercury Free



Rohs Exemption Information

Yes

#### **Certifications & Standards**

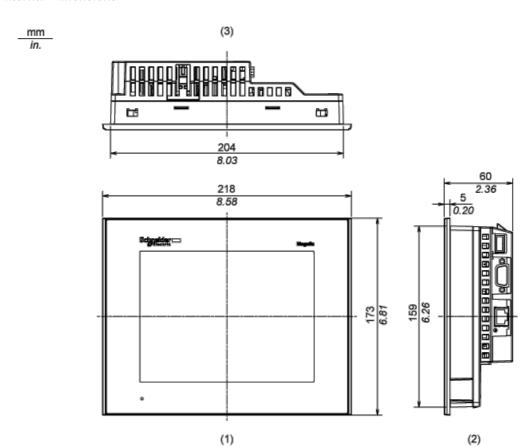
Reach Regulation	REACh Declaration				
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)				
China Rohs Regulation	China RoHS declaration				
Environmental Disclosure	Product Environmental Profile				
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.				
Weee Circularity Profile	•				

Aug 2, 2024

#### **Dimensions Drawings**

### **Dimensions**

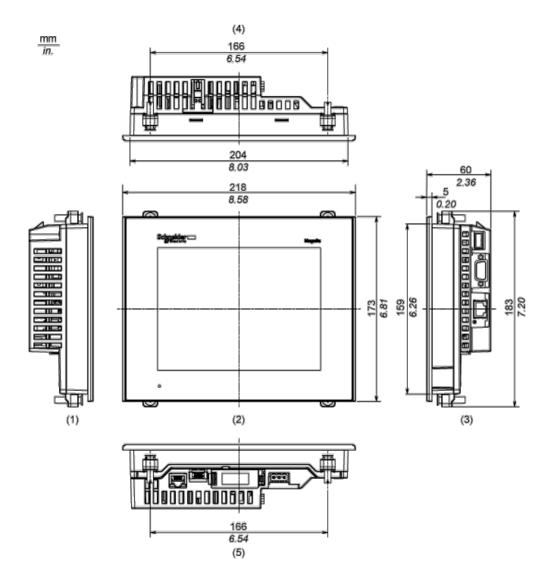
#### **External Dimensions**



- 1 Front
- 2 Right Side
- 3 Тор

#### **Installation with Installation Fasteners**

#### **HMIGTO4310**

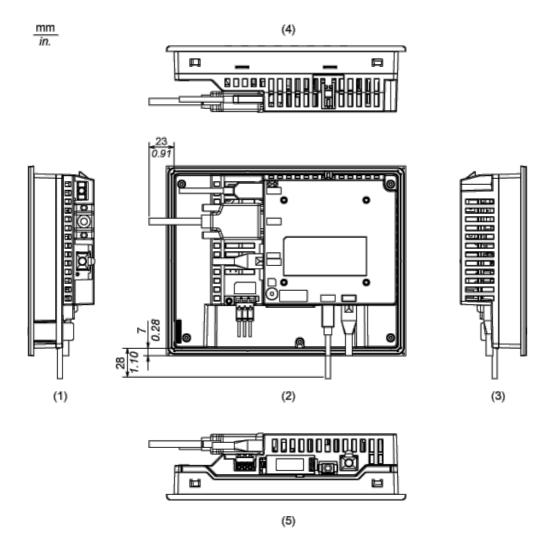


- 1 Left Side
- 2 Front
- 3 Right Side
- 4 Top
- 5 Bottom

#### **Dimensions with Cables**

## **Product data sheet**

## **HMIGTO4310**



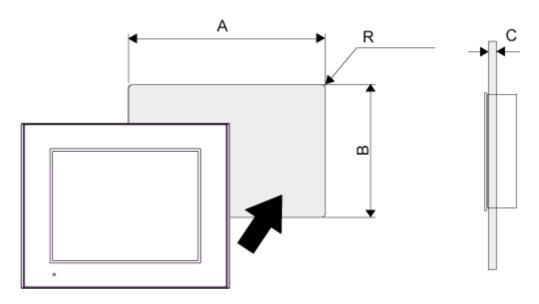
- 1 Left Side
- 2 Rear
- 3 Right Side
- 4 Top
- 5 Bottom

## **HMIGTO4310**

### Mounting and Clearance

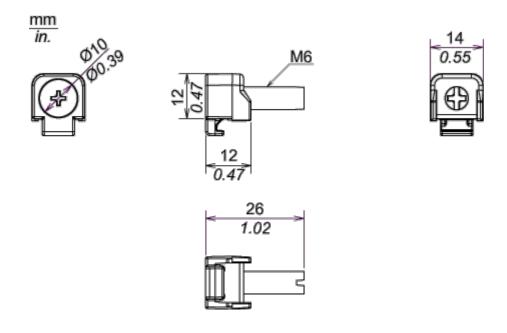
#### Mounting

#### **Panel Cut Dimensions**



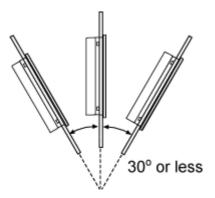
A		В		С		R	
mm	in.	mm	in.	mm	in.	mm	in.
204.5 (+1, -0)	8.05 (+0.04, -0)	159.5 (+1, -0)	6.28 (+0.04, -0)	1.65	0.060.2	3 max.	0.12 max.

#### **Installation Fastener Dimensions**



#### **Installation Requirements**

#### **Mounting Angle**



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

#### Clearance

