# **Product datasheet**

Specification





# advanced touchscreen panel 640 x 480 pixels VGA- 10.4" TFT - 96 MB

HMIGTO5310

## Main

Range Of Product	Harmony GTO				
Product Or Component Type	Advanced touchscreen panel				
Display Colour	65536 colours				
Display Size	10.4 inch				
Supply	External source				
Operating System	Harmony				
Battery Type	Lithium battery for internal RAM, autonomy: 100 days, charging time = 5 day(s), battery life = 10 year(s)				

# Complementary

oumprementary					
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 at 25 °C				
Brightness	16 levels - control by touch panel 16 levels - control by software				
Character Font	Chinese (simplified Chinese) Japanese (ANK, Kanji) Korean ASCII Taiwanese (traditional Chinese)				
[Us] Rated Supply Voltage	24 V DC				
Supply Voltage Limits	19.228.8 V				
Inrush Current	30 A				
Maximum Power Consumption In W	12 W when power is not supplied to external devices 7 W when backlight is OFF 8 W when backlight is dimmed 17 W				
Local Signalling	Status LED green, steady for offline Status LED green, steady for operating Status LED orange, flashing for software starting up Status LED red, steady for power supply (ON) Status LED clear, faded for power supply (OFF) COM2 LED yellow, steady for data is being transmitted COM2 LED yellow, faded for no data transmission SD card LED green, steady for card is inserted SD card LED green, faded for 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				
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, interface: RS232C, transmission rate: 2400115200 bps COM2 serial link RJ45, interface: RS485, transmission rate: 2400115200 bps COM2 serial link RJ45, interface: RS485, transmission rate: 187.5 kbps compatible with Siemens MPI Ethernet RJ45, interface: 10BASE-T/100BASE-TX Ethernet RJ45, interface: 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	272.5 mm				
Height	214.5 mm				
Depth	57 mm				
Net Weight	2 kg				
Environment					
Standards	UL 508 IEC 61131-2 IEC 61000-6-2				
Product Certifications	cULus CE C-Tick KCC UKCA UKEX				
Ambient Air Temperature For Operation	055 °C				
Ambient Air Temperature For Storage	-2060 °C				
Relative Humidity	1090 % without condensation				
Operating Altitude	< 2000 m				
lp Degree Of Protection	IP20 (rear panel) conforming to IEC 60529 IP65 (front panel) conforming to IEC 60529				

Life Is On Schneider

6 kV contact discharge conforming to IEC 61000-4-2 level 3

147 m/s $^2$  3 chocks in each direction X, Y and Z conforming to IEC 61131-2

3.5 mm (f = 5...9 Hz) - X, Y, Z directions for 10 cycles (approx. 100 min) - conforming

1 gn (f = 9...150 Hz) - X, Y, Z directions for 10 cycles (approx. 100 min) - conforming to IEC 61131-2

26 Apr 2024

NEMA 4X front panel (indoor use)

to IEC 61131-2

Nema Degree Of Protection

Resistance To Electrostatic Discharge

Shock Resistance

Vibration Resistance

# **Packing Units**

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	17.500 cm
Package 1 Width	30.000 cm
Package 1 Length	35.500 cm
Package 1 Weight	2.625 kg
Unit Type Of Package 2	P12
Number Of Units In Package 2	30
Package 2 Height	82.000 cm
Package 2 Width	80.000 cm
Package 2 Length	120.000 cm
Package 2 Weight	100.000 kg

# **Contractual warranty**

Warranty 18 months

# Sustainability Screen 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

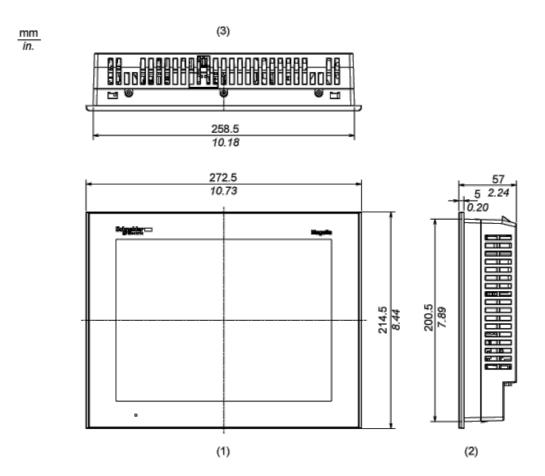
#### **Certifications & Standards**

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
Circularity Profile	End of Life Information

#### **Dimensions Drawings**

### **Dimensions**

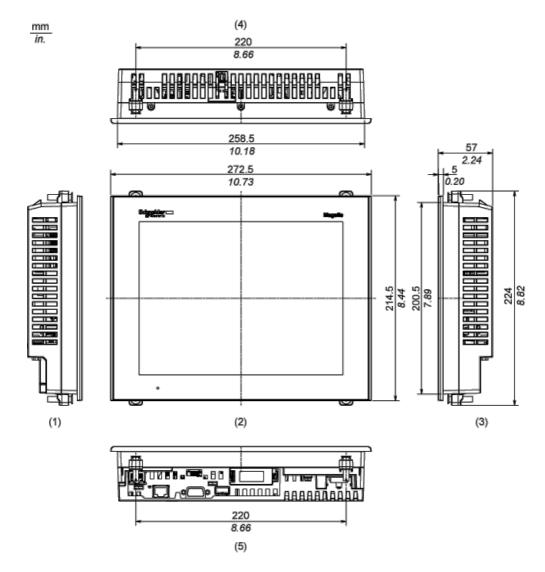
#### **External Dimensions**



- 1 Front
- 2 Right Side
- 3 Тор

#### Installation with Installation Fasteners

### **HMIGTO5310**



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

## **Dimensions with Cables**

# **HMIGTO5310**

(4)

(4)

(5)

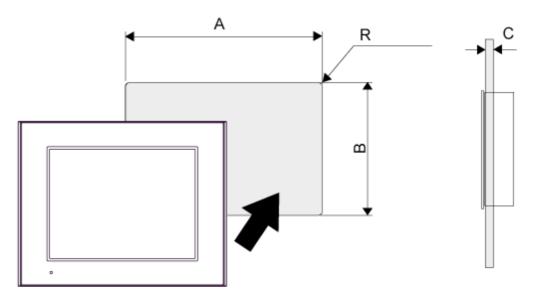
- 1 Left Side
- 2 Rear
- 3 Right Side
- 4 Top
- 5 Bottom

# **HMIGTO5310**

# Mounting and Clearance

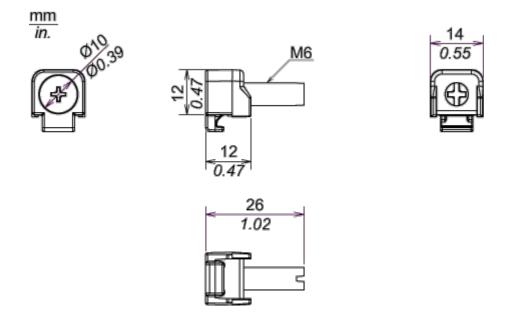
### Mounting

#### **Panel Cut Dimensions**



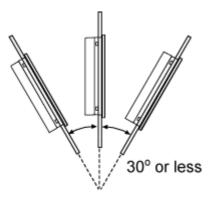
Α		В		С		R	
mm	in.	mm	in.	mm	in.	mm	in.
259 (+1, -0)	10.20 (+0.04, -0)	201 (+1, -0)	7.91 (+0.04, -0)	1.65	0.060.2	3 max.	0.12 max.

#### **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

