

## advanced touchscreen panel, Harmony GTO,800 x 600pixels SVGA, 12.1inch TFT, 96MB

HMIGTO6310

Product availability: Stock - Normally stocked in distribution facility

## Main

Range of Product	Harmony GTO			
Product or Component Type	Advanced touchscreen panel			
Display colour	65536 colours			
Display size	12.1 inch			
Supply	External source			
Operating System	Harmony			
Battery type	Lithium internal RAM 100 days 5 day(s) 10 year(s)			

## Complementary

rminal type Touchscreen display				
Display Type	Backlit colour TFT LCD			
Display Resolution	800 x 600 pixels SVGA			
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	Taiwanese (traditional Chinese) ASCII (European characters) Chinese (simplified Chinese) Japanese (ANK, Kanji) Korean			
[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 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			

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

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	12.4 in (315 mm)				
Height	9.5 in (241 mm)				
Depth	2.2 in (56 mm)				
Environment Standards	5.5 lb(US) (2.5 kg)  UL 508				
Product Certifications	IEC 61131-2 IEC 61000-6-2  C-tick KCC cULus				
	CE UKCA UKEX				
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	3595864150307
Returnability	Yes
Country of origin	ID

## **Packing Units**

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Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	6.89 in (17.500 cm)
Package 1 Width	12.80 in (32.500 cm)
Package 1 Length	15.35 in (39.000 cm)
Package weight(Lbs)	7.562 lb(US) (3.430 kg)
Unit Type of Package 2	P12
Number of Units in Package 2	30
Package 2 Height	47.24 in (120.000 cm)
Package 2 Width	31.50 in (80.000 cm)
Package 2 Length	47.24 in (120.000 cm)
Package 2 Weight	270.066 lb(US) (122.500 kg)

## **Contractual warranty**

Warranty 18 months



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.

#### Environmental Data explained >

How we assess product sustainability >

∇ Environmental footprint	
Carbon footprint (kg CO2 eq, Total Life cycle)	907
Environmental Disclosure	Product Environmental Profile

### **Use Better**

F-gas usage performance	Only air and vacuum used for insulation / breaking, no F-gas including SF6
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
SCIP Number	3647523b-250a-4687-bcce-2d1cdcab982a
REACh Regulation	REACh Declaration
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
Halogen content performance	Product contains halogen above thresholds
PVC free	No
Silicon free	No

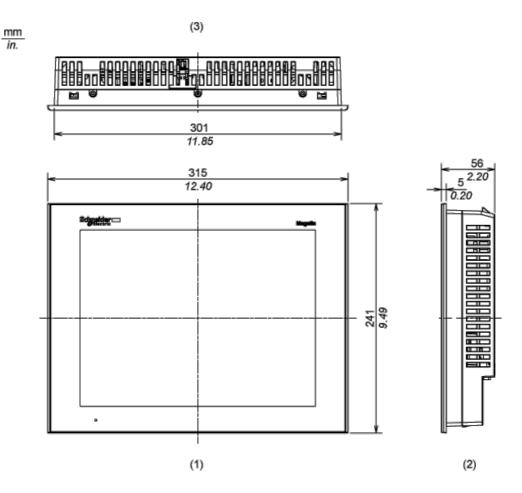
#### **Use Again**

○ Repack and remanufacture	
Circularity Profile	End of Life Information
Removable battery	User replaceable
Take-back	No
WEEE Label	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

**Dimensions Drawings** 

## **Dimensions**

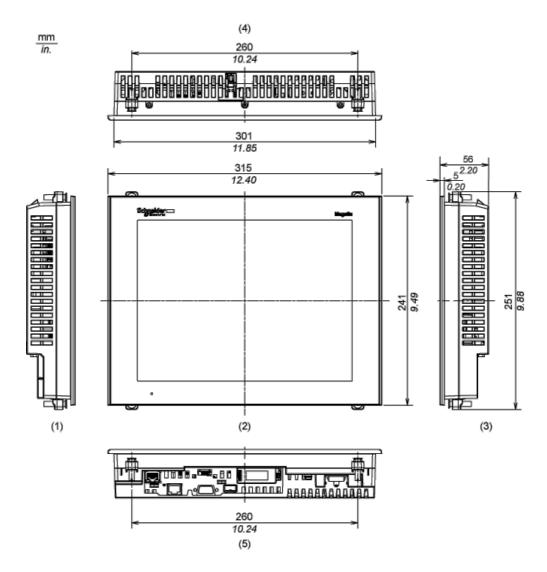
### **External Dimensions**



- 1 Front
- 2 Right Side
- 3 Тор

### **Installation with Installation Fasteners**

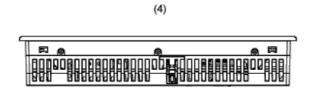
## **HMIGTO6310**

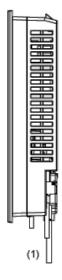


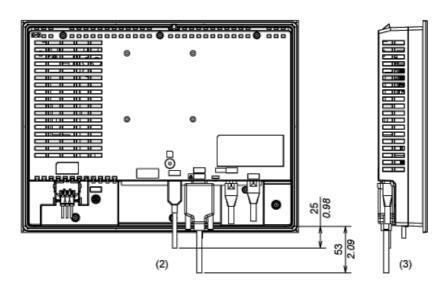
- 1 Left Side
- 2 Front
- 3 Right Side
- 4 Top
- 5 Bottom

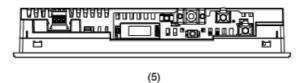
### **Dimensions with Cables**

mm in.









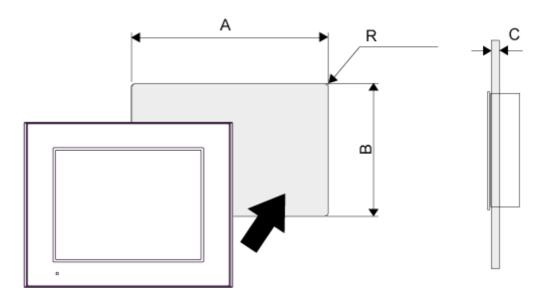
- 1 Left Side
- 2 Rear
- 3 Right Side
- 4 Top
- 5 Bottom

## **HMIGTO6310**

## Mounting and Clearance

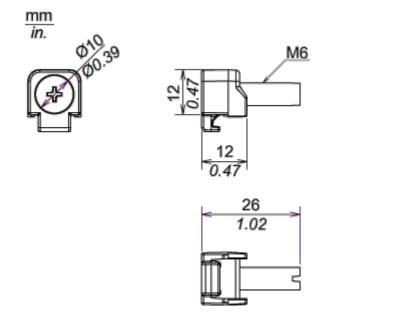
## Mounting

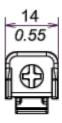
### **Panel Cut Dimensions**



Α .		В		С		R	
mm	in.	mm	in.	mm	in.	mm	in.
301.5 (+1, -0)	11.87 (+0.04, -0)	227.5 (+1, -0)	8.96 (+0.04, -0)	1.65	0.060.2	3 max.	0.12 max.

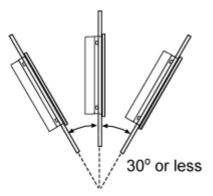
### **Installation Fastener Dimensions**





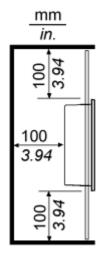
## **Installation Requirements**

### **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



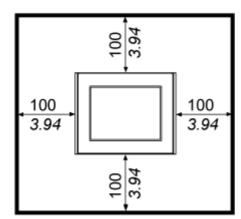


Image of product / Alternate images

**Alternative** 







