Product data sheet
Characteristics

HMIGTO6310
advanced touchscreen panel 800 x 600 pixels
SVGA- 12.1" TFT - 96 MB

Green Premium

Main

Range of product	Magelis GTO
Product or component type	Advanced touchscreen panel
Display colour	65536 colours
Display size	12.1 inch
Supply	External source
Operating system	Magelis
Battery type	Lithium battery for internal RAM, autonomy: 100 days, charging time = 5 d, battery life = 10 yr

Complementary

Terminal 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) at 25 °C
Brightness	16 levels - control by touch panel 16 levels - control by software
Character font	Korean ASCII (European characters) Japanese (ANK, Kanji) Taiwanese (traditional Chinese) Chinese (simplified Chinese)
[Us] rated supply voltage	24 V DC
Supply voltage limits	19.2...28.8 V
Inrush current	<= 30 A
Power consumption in W	<= 17 W <= 12 W (when power is not supplied to external devices) <= 7 W (when backlight is OFF) <= 8 W (when backlight is dimmed)
Local signalling	Status LED (orange) flashing software starting up

Dec 28, 2017

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	Status LED (green) steady offline Status LED (green) steady operating 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	96 MB flash (EPROM)
Data backed up	512 kB internal RAM (SRAM)
Data storage equipment	SD card <= 32 GB SDHC card <= 32 GB
Downloadable protocols	Modbus Plus Schneider Electric Modicon FIPWAY Schneider Electric Modicon Modbus TCP Schneider Electric Modicon Modbus Schneider Electric Modicon Third party protocols Mitsubishi Melsec Third party protocols Omron Sysmac Third party protocols Rockwell Automation Allen-Bradley Third party protocols Siemens Simatic Uni-TE Schneider Electric Modicon
Integrated connection type	COM1 serial link SUB-D 9, interface: RS232C, transmission rate: 2400...115200 bps COM2 serial link RJ45, interface: RS485, transmission rate: 2400...115200 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	315 mm
Height	241 mm
Depth	56 mm
Product weight	2.5 kg

Environment

Standards	UL 508 IEC 61000-6-2 EN 61131-2
Product certifications	KCC cULus CE C-Tick
Ambient air temperature for operation	0...55 °C
Ambient air temperature for storage	-20...60 °C
Relative humidity	10...90 % without condensation
Operating altitude	< 2000 m
IP degree of protection	IP20 rear panel conforming to IEC 60529 IP65 front panel conforming to IEC 60529
NEMA degree of protection	NEMA 4X front panel (indoor use)
Shock resistance	147 m/s² 3 chocks in each direction X, Y and Z conforming to EN/IEC 61131-2
Vibration resistance	3.5 mm (f = 5...9 Hz) conforming to EN/IEC 61131-2 X, Y, Z directions for 10 cycles (approx. 100 min) 1 gn (f = 9...150 Hz) conforming to EN/IEC 61131-2 X, Y, Z directions for 10 cycles (approx. 100 min)
Resistance to electrostatic discharge	6 kV contact discharge conforming to IEC 61000-4-2 level 3

Offer Sustainability

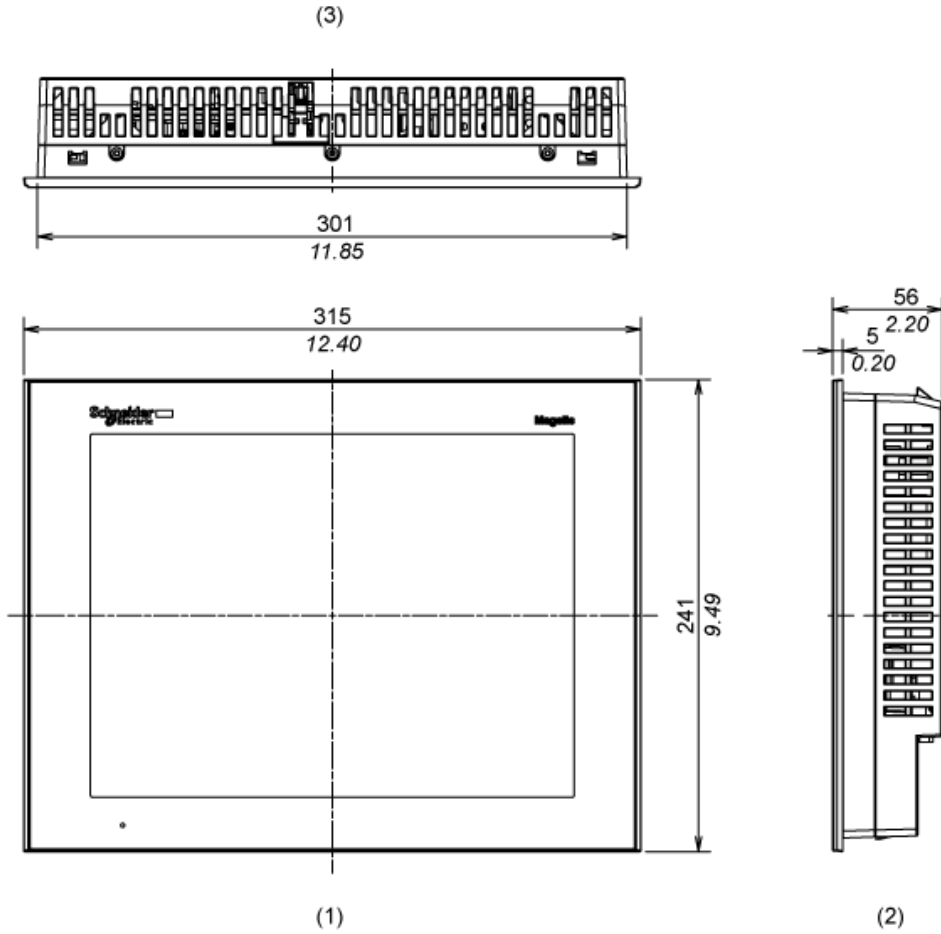|	
Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1348 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACh	Reference contains SVHC above the threshold - Go to CaP for more details Go to CaP for more details
Product environmental profile	Available Product environmental
Product end of life instructions	Available End of life manual

Contractual warranty

Warranty period	18 months

HMIGTO6310

Dimensions

External Dimensions

1   Front
2   Right Side
3   Top

Installation with Installation Fasteners

mm / in.

(4)

260 / 10.24

301 / 11.85

315 / 12.40

56 / 2.20

5 / 0.20

241 / 9.49

251 / 9.88

(1)

(2)

(3)

260 / 10.24

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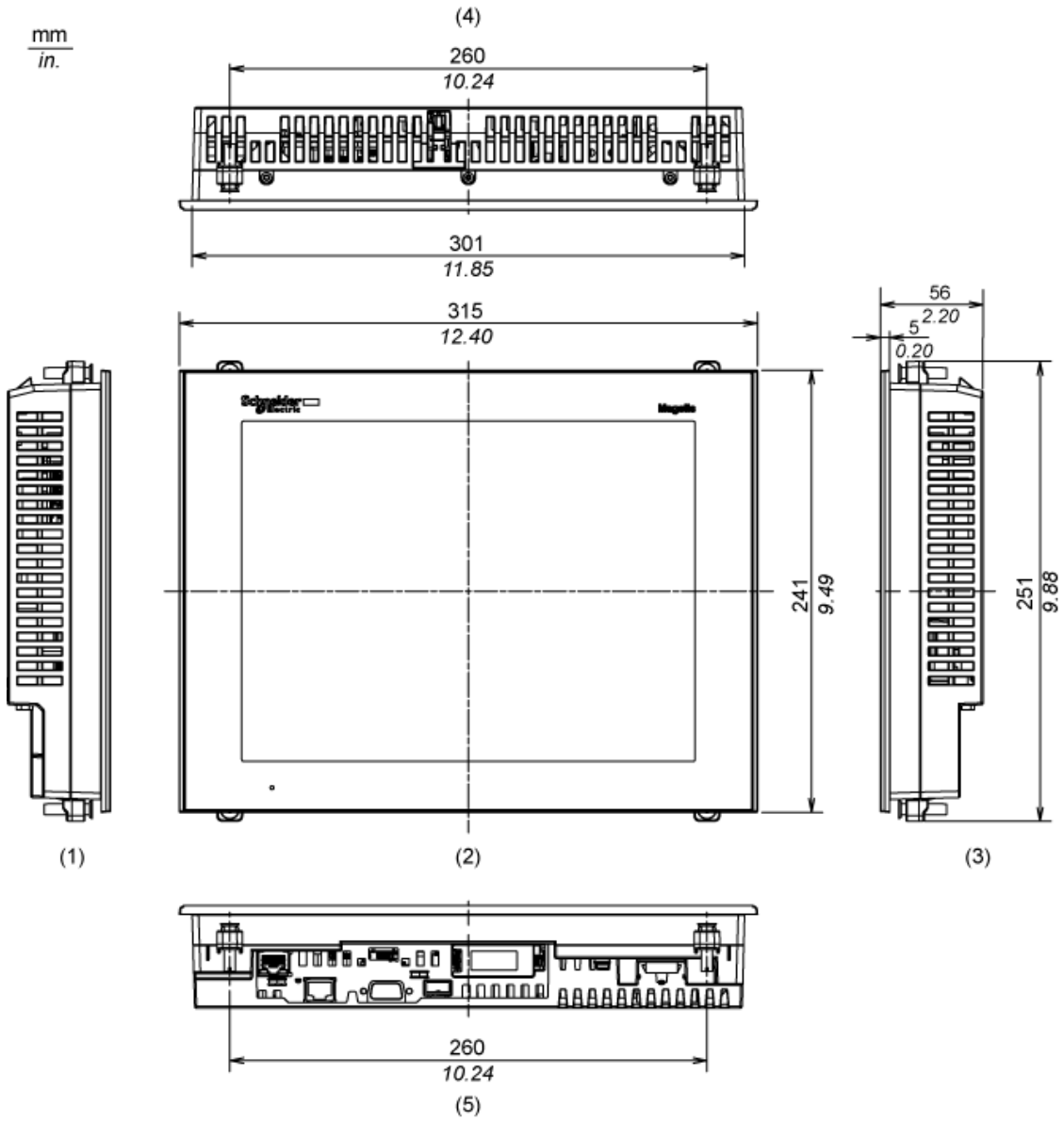
1   Left Side
2   Front
3   Right Side
4   Top
5   Bottom

Dimensions with Cables

mm / in.

(4)

(1)   (2)   (3)

25 / 0.98
53 / 2.09

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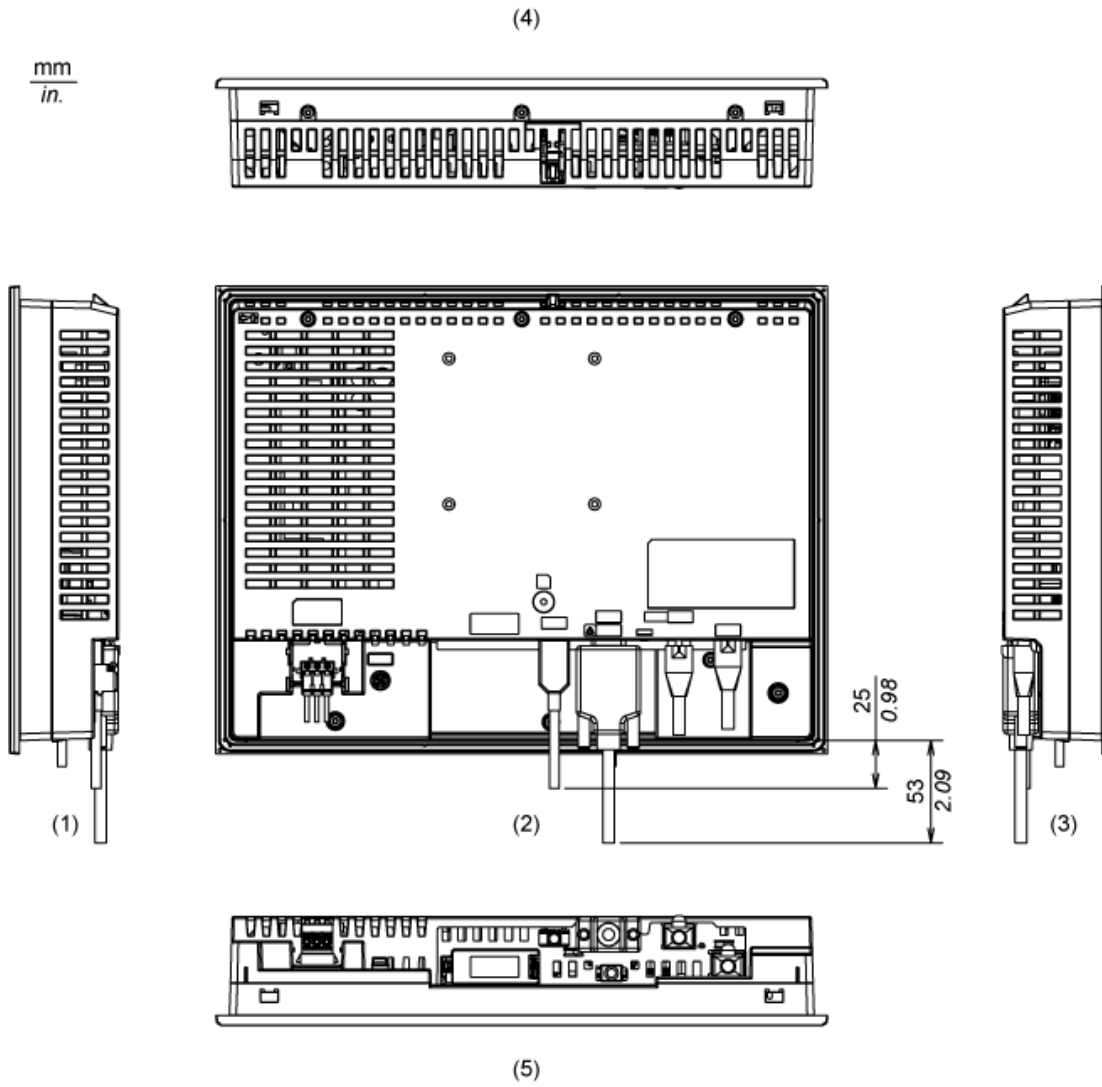
1   Left Side
2   Rear
3   Right Side
4   Top
5   Bottom

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Mounting

Panel Cut Dimensions
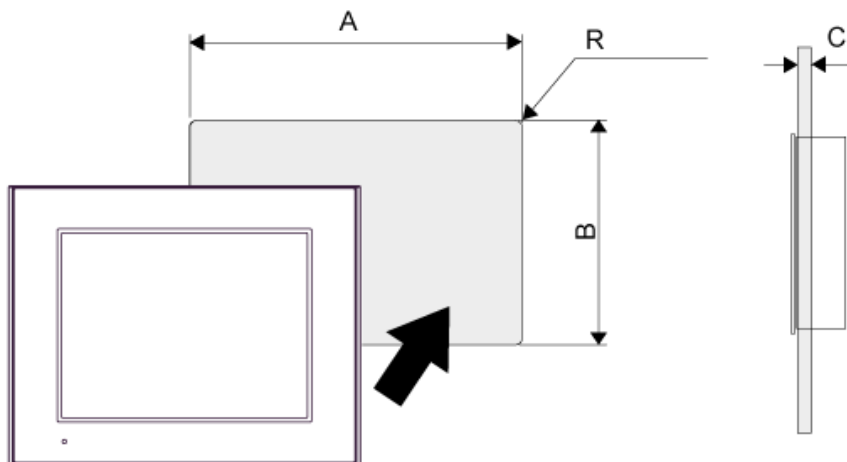
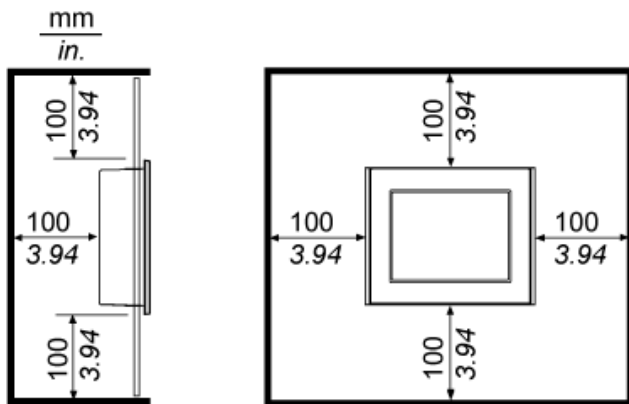| A		B		C		R	
mm	in.	mm	in.	mm	in.	mm	in.
301.5 (+1, -0)	11.87 (+0.04, -0)	227.5 (+1, -0)	8.96 (+0.04, -0)	1.6...5	0.06...0.2	3 max.	0.12 max.

Installation Fastener Dimensions
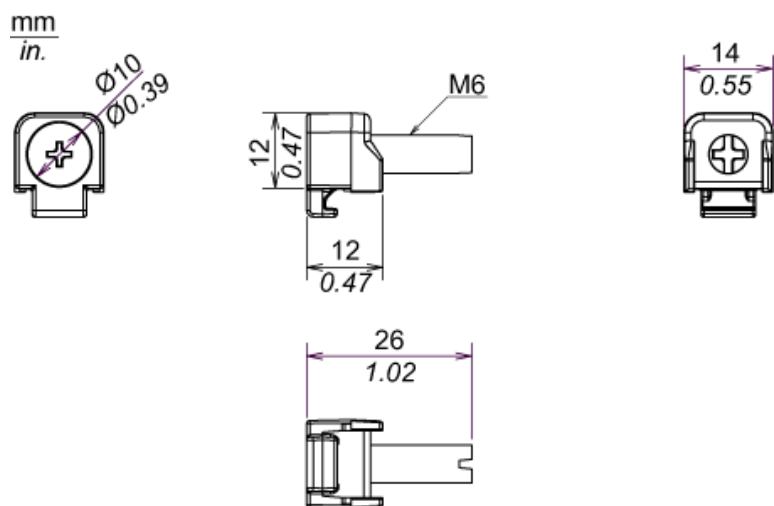
Installation Requirements

Mounting Angle
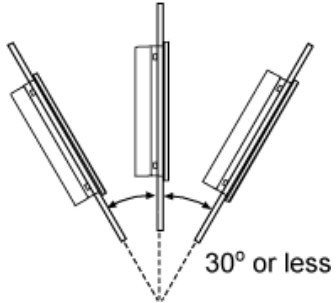
30° or less

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

$\dfrac{mm}{in.}$

$\dfrac{100}{3.94}$

$\dfrac{100}{3.94}$

$\dfrac{100}{3.94}$

$\dfrac{100}{3.94}$

$\dfrac{100}{3.94}$

$\dfrac{100}{3.94}$

$\dfrac{100}{3.94}$

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