Product datasheet

Specifications

Green Premium™

7" wide screen touch panel, 16M colors, COM x 2, USB device, RTC, DC24V

HMIET6401

Main

Range Of Product	Easy Harmony ET6
Product Or Component Type	Touch panel screen
Software Designation	Vijeo Designer Basic
Operating System	VxWorks
Processor Name	ARM Cortex-A8

Complementary

Display Size	7 inch
Display Type	Colour TFT LCD
Display Colour	16 million colours
Display Resolution	800 x 480 pixels WVGA
Touch Panel	Single touch analogue resistive
Brightness	16 levels
Character Font	ASCII ASCII (European characters) Chinese (simplified Chinese) Japanese (ANK, Kanji) Katakana Korean Taiwanese (traditional Chinese)
[Us] Rated Supply Voltage	24 V DC +/- 20 %
Inrush Current	30 A
Local Signalling	Status LED green, steady for operating Status LED orange, steady for software starting up Status LED red, steady for power supply (ON) Status LED, off for power supply (OFF)
Power Consumption In W	9 W
Number Of Pages	200 application pages
Processor Frequency	800 MHz
Memory Description	Device memory 256 MB User data memory 256 MB Backup memory 128 kB
Integrated Connection Type	1 COM1 serial link - 1 SUB-D 9-pin male - RS232C (rate: 2400...115200 bps)bottom 1 COM2 serial link - 1 SUB-D 9-pin male - RS422/RS485 (rate: 2400...115200 bps)bottom COM2 serial link (rate: 2400...187500 bps)bottom 1 USB 2.0 type micro Bback
Supply	External supply

Realtime Clock	Built-in 0...50 °C
	Built-in 10...90 % RH

Downloadable Protocols	Modbus
	Uni-TE
	Third party protocols

Product Brand	Schneider Electric

Fixing Mode	By 4 screws, mounting on 1.6...5 mm thick panel

Cut-Out Dimensions	190 x 135 mm panel cut dimension

Height	151 mm

Width	206 mm

Depth	45 mm

Net Weight	0.60 kg

Environment

Immunity To Microbreaks	5 ms

Enclosure Material	PC

Front Material	Plastic

Standards	EN 61000-6-4
	EN 61000-6-2
	EN 61131-2
	UL 61010-2-201
	CSA C22.2 No 61010-1-201

Product Certifications	CE
	UL
	EAC (pending)
	KC-Mark (pending)

Directives	2014/35/EU - low voltage directive
	2014/30/EU - electromagnetic compatibility

Ambient Air Temperature For Operation	0…50 °C

Ambient Air Temperature For Storage	-20…60 °C

Relative Humidity	10…90 % non-condensing

Operating Altitude	2000 m

Ip Degree Of Protection	IP20 (rear panel) conforming to IEC 61131-2
	IP65 (front panel) conforming to IEC 61131-2

Shock Resistance	147 m/s² for 11 ms (X, Y, Z directions for 3 times) conforming to EN/IEC 61131-2

Vibration Resistance	+/- 3.5 mm (f = 5…9 Hz) X, Y, Z directions for 10 cycles (approx. 100 min)
	conforming to EN/IEC 61131-2
	9.8 m/s² (f = 9…150 Hz)

Electromagnetic Compatibility	Electrical fast transient/burst immunity test - test level: 2 kV (power ports) conforming to IEC 61000-4-4
	Electrical fast transient/burst immunity test - test level: 1 kV (signal ports)
	Electrostatic discharge immunity test - test level: 6 kV (contact discharge) conforming to EN/IEC 61000-4-2 level 3
	Electrostatic discharge immunity test - test level: 8 kV (air discharge)

Packing Units

Unit Type Of Package 1	PCE

Number Of Units In Package 1	1

Package 1 Height	8.900 cm

Package 1 Width	18.800 cm

Package 1 Length	28.300 cm
Package 1 Weight	889.000 g
Unit Type Of Package 2	S03
Number Of Units In Package 2	6
Package 2 Height	30.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	6.073 kg

Sustainability ![Green Premium]

Green Premium^{TM} label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO_2 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   Compliant with Exemptions

China Rohs Regulation   China RoHS declaration

Environmental Disclosure   Product Environmental Profile
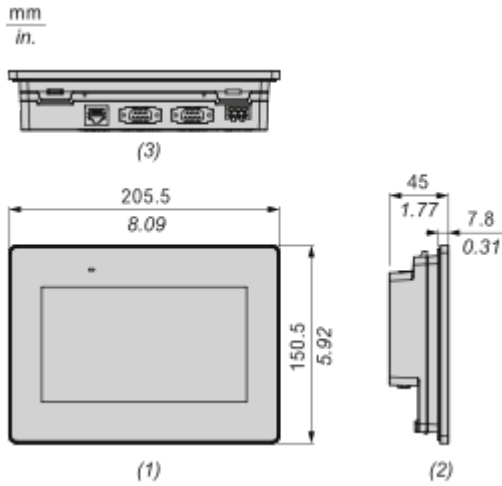
Weee   The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

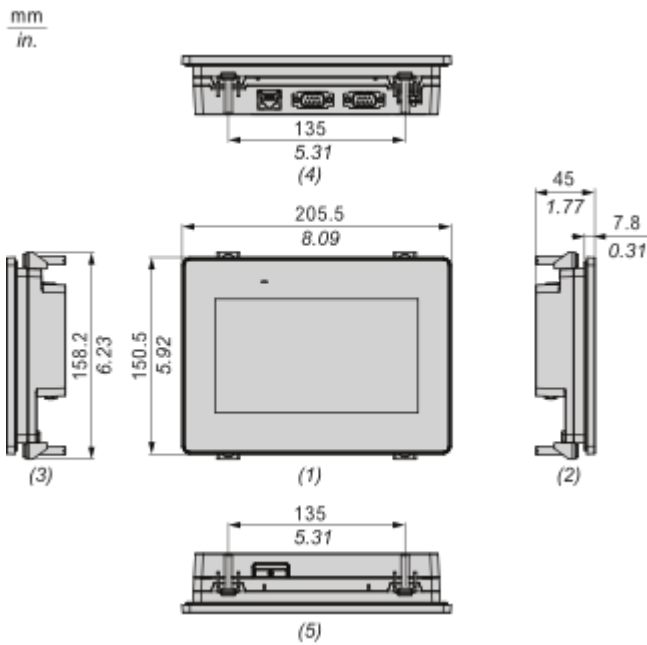**Circularity Profile**   End of Life Information

Dimensions Drawings

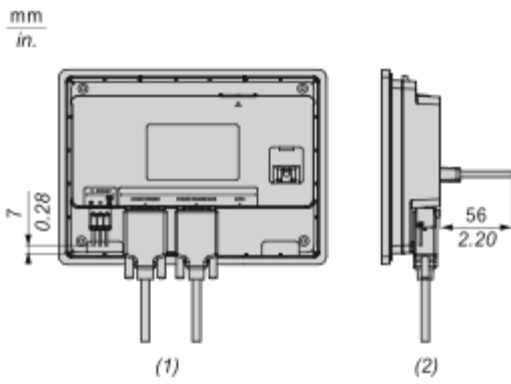## Dimensions

External Dimensions

mm / in.

(3)

205.5
8.09

150.5
5.92

45
1.77

7.8
0.31

(1)

(2)

(1): Front
(2): Left
(3): Bottom

Dimensions with Installation Fasteners

mm / in.

135
5.31
(4)

205.5
8.09

45
1.77

7.8
0.31

158.2
6.23

150.5
5.92

(3)

(1)

(2)

135
5.31

(5)

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

Dimensions with Cables

(1): Back
(2): Left

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HMIET6401

Mounting and Clearance

Mounting

Panel Cut Dimension
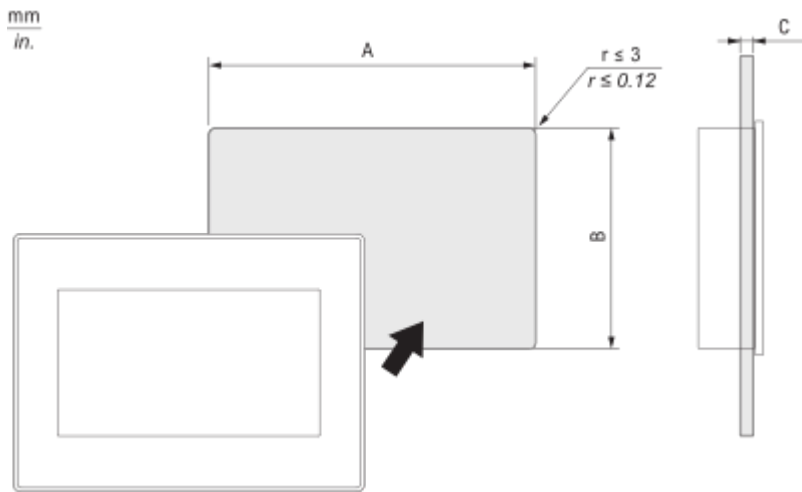
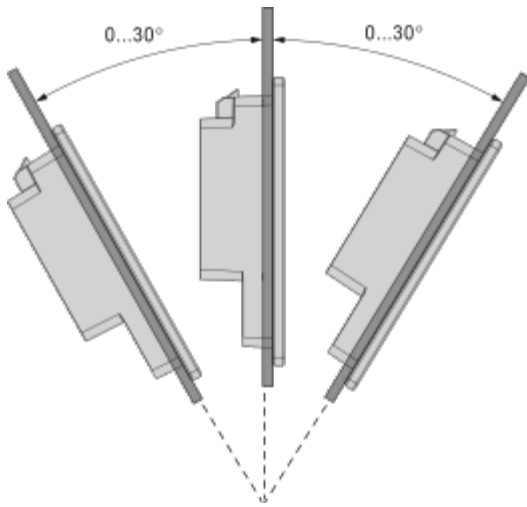| A		B		C	
mm	in.	mm	in.	mm	in.
190 (+1, -0)	7.48 (+0.04, -0)	135 (+1, -0)	5.31 (+0.04, -0)	1.6...5	0.06...0.2

Mounting Orientation
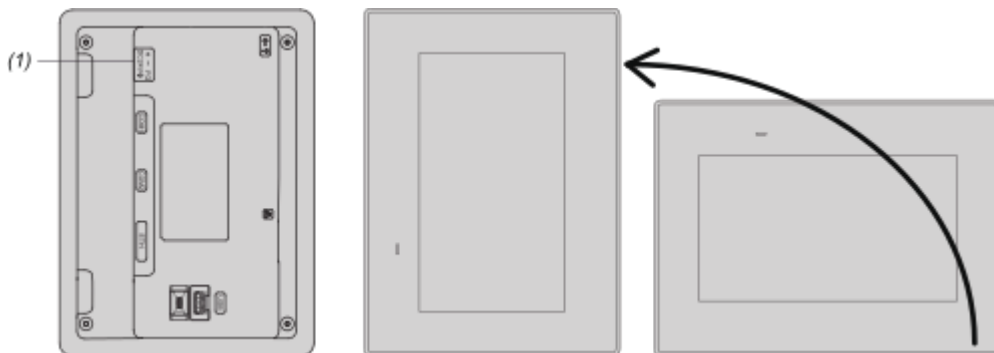
(1): Power connector
Note: For portrait orientation mounting, make sure the screen editing software supports the function.

Mounting Angle

Mar 21, 2024

Clearance

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