

Product datasheet

Specifications



12"W touch panel display, 2Ethernet, USB host&device, 24VDC

HMISTW6600

Main

Range of product	Harmony ST6
Product or component type	Touch panel screen
Software designation	Web interface for operator
Processor name	ARM Cortex-A8
Processor frequency	800 MHz
Memory description	512 MB device memory 512 MB backup memory 128 kB user data memory

Complementary

Display size	12 inch
Display type	Colour TFT LCD
Display colour	16 million colours
Display resolution	1280 x 800 pixels WXGA
Touch panel	Single touch analogue resistive
Backlight lifespan	50000 hours with white
Brightness	16 levels
Character font	ASCII ASCII (European characters) Katakana
[Us] rated supply voltage	24 V DC (+/- 20 %)
Power consumption in W	18.4 W
Inrush current	30 A
Local signalling	Status LED green, steady for offline Status LED green, steady for operating Status LED green, flashing for operating Status LED green, faded for stand-by Status LED orange, flashing for software starting up Status LED red, steady for power supply (ON) Status LED red, flashing for operating Status LED red, off for power supply (OFF)
Port Ethernet	10/100BASE
Integrated connection type	1 USB 2.0 type A back 1 Ethernet - female RJ45 bottom
Supply	External supply
Realtime clock	Built-in 0...50 °C Built-in 10...90 % RH

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Fixing mode	By 4 screws, mounting on 1.6...5 mm thick panel conforming to UL 61010-2-201 By 4 screws conforming to IEC 61131-2 By 4 screws conforming to IEC 61000-6-2
Enclosure material	PC
Front material	Aluminium
Marking	CE
Cut-out dimensions	295 x 217 mm panel cut dimension
Height	235 mm
width	313 mm
Depth	50 mm
Net weight	1.8 kg

Environment

Immunity to microbreaks	10 ms
Standards	IEC 61000-6-4 IEC 61000-6-2 IEC 61131-2 UL 61010-2-201 CSA C22.2 No 61010-2-201
Product certifications	CSA CE UKCA
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
NEMA degree of protection	NEMA 4 front panel (indoor use) NEMA 13 front panel (in enclosure)
Shock resistance	147 m/s ² for 11 ms (X, Y, Z directions for 3 times) conforming to IEC 61131-2
Vibration resistance	+/- 3.5 mm (f = 5...9 Hz) X, Y, Z directions for 10 cycles (approx. 100 min) conforming to IEC 61131-2 9.8 m/s ² (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 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	12.95 cm
Package 1 Width	30.73 cm
Package 1 Length	40.39 cm
Package 1 Weight	2.31 kg

Unit Type of Package 2	CAR
Number of Units in Package 2	4
Package 2 Height	34 cm
Package 2 Width	41 cm
Package 2 Length	54 cm
Package 2 Weight	10.334 kg
Unit Type of Package 3	P12
Number of Units in Package 3	16
Package 3 Height	48.5 cm
Package 3 Width	80 cm
Package 3 Length	120 cm
Package 3 Weight	53.336 kg

Environmental Data

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.

[How this information helps you >](#)

Environmental footprint

Carbon footprint (kg.eq.CO2 per CR, Total Life cycle)	1398
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Environmental Disclosure	Product Environmental Profile
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Use Better

Materials and Substances

Packaging made with recycled cardboard	No
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Packaging without single use plastic	No
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EU RoHS Directive	Compliant with Exemptions
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SCIP Number	20694bec-44d9-42c3-8fdd-3861ce15e3ab
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REACH Regulation	REACH Declaration
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China RoHS Regulation	China RoHS declaration
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Use Again

Repack and remanufacture

WEEE



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

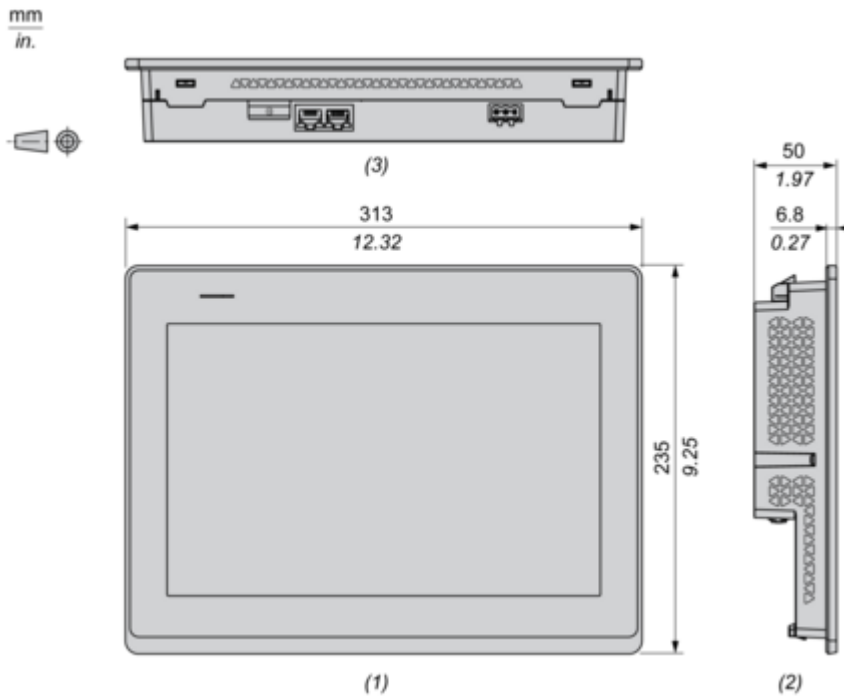
Take-back

No

Dimensions Drawings

Dimensions

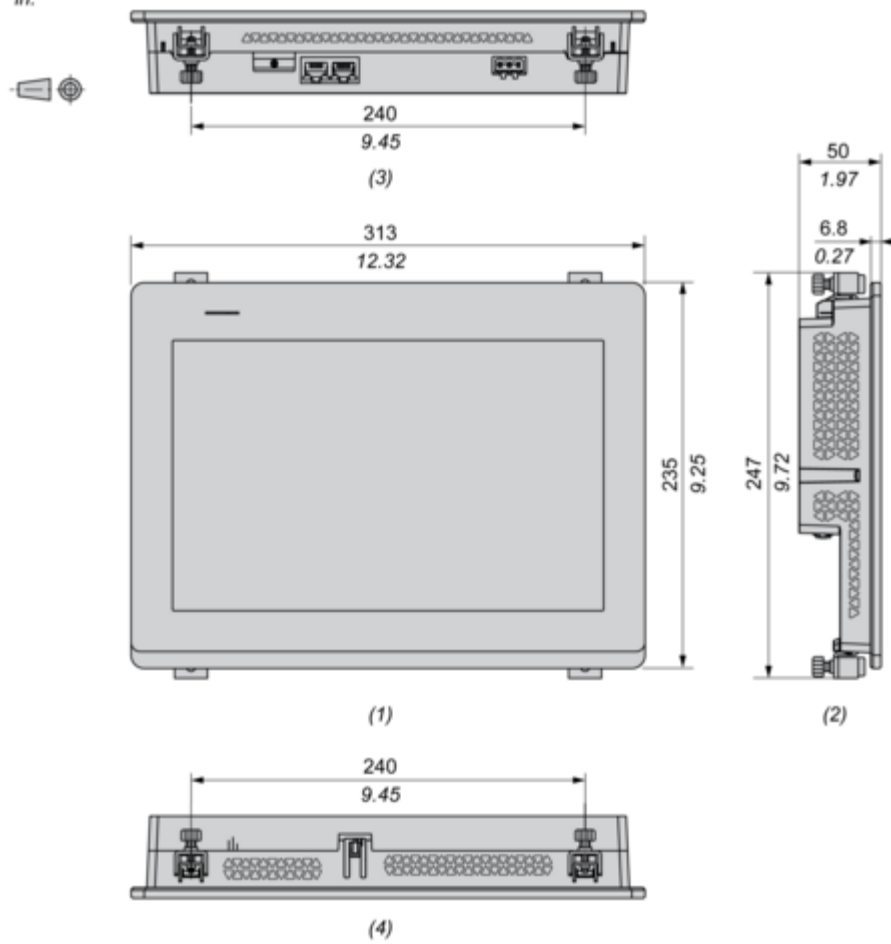
External Dimensions



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

Dimensions with Installation Fasteners

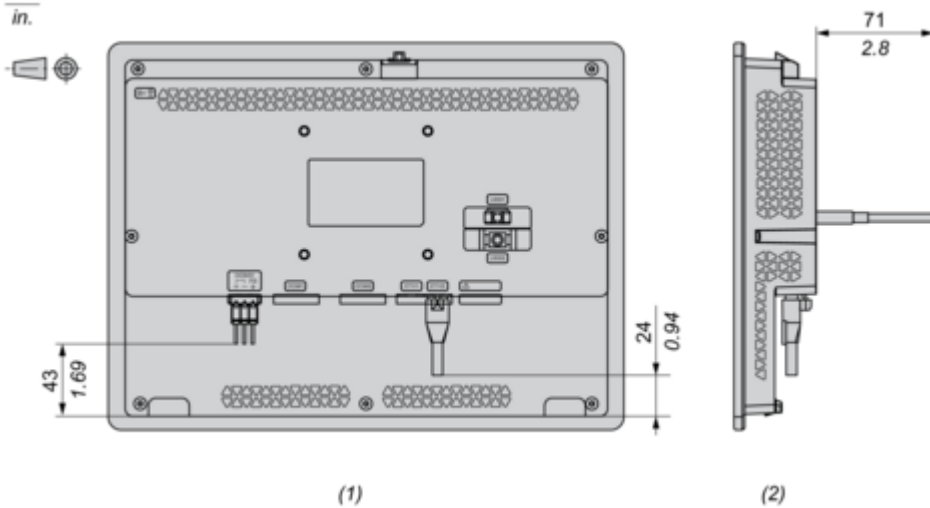
mm
in.



- (1) : Front
- (2) : Left
- (3) : Bottom
- (4) : Top

Dimensions with Cables

mm
in.

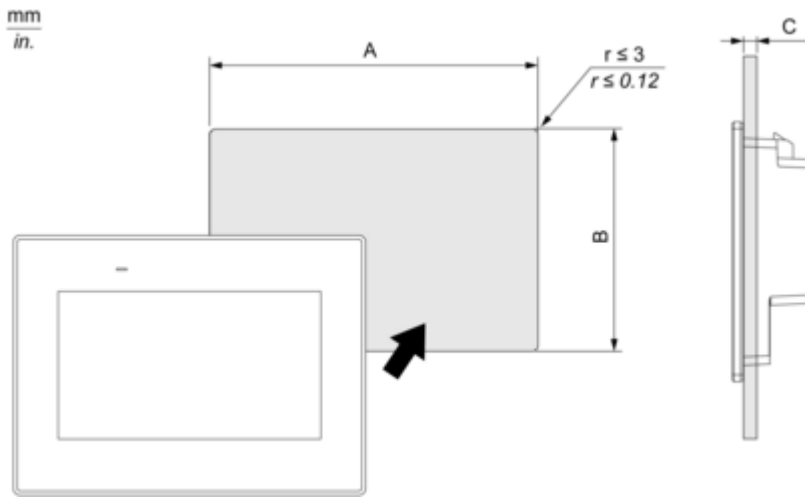


- (1) : Rear
- (2) : Right

Mounting and Clearance

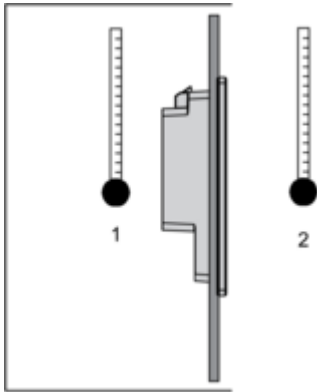
Mounting

Panel Cut Dimensions

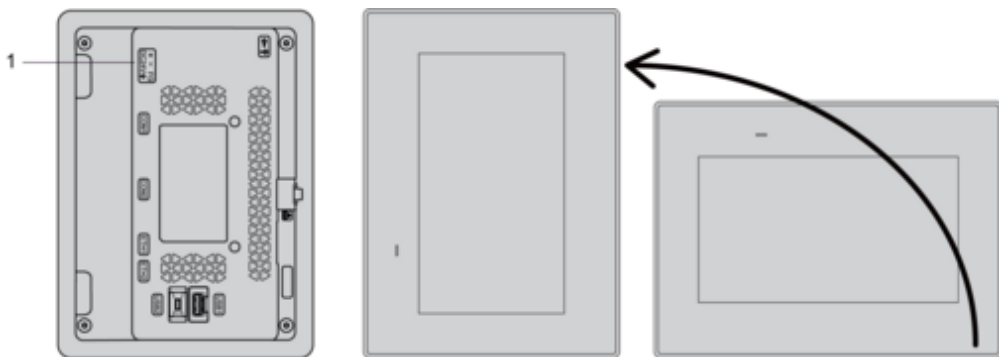


A		B		C	
mm	in.	mm	in.	mm	in.
295 (+1, -0)	11.61 (+0.04, -0)	217 (+1, -0)	8.54 (+0.04, -0)	1.6...5	0.06...0.2

Installation Requirements

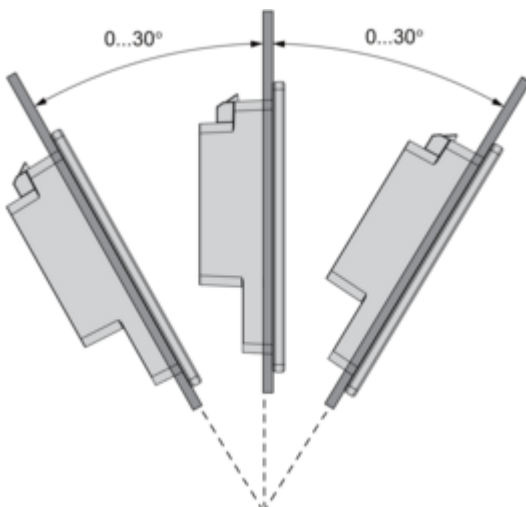


- 1 : Internal temperature
- 2 : External temperature



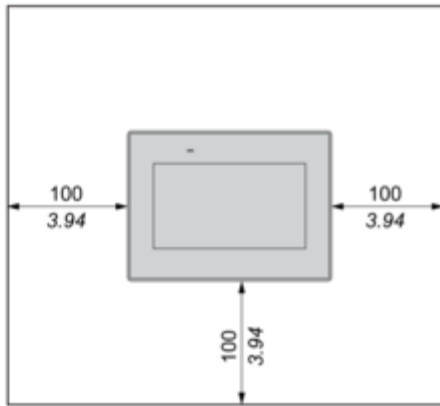
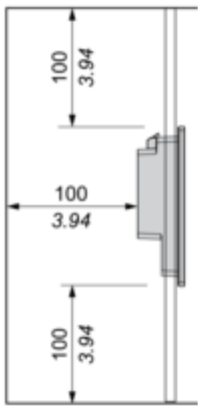
- 1 : Power connector

Mounting Angle



Clearance

mm
in.



Offer Marketing Illustration

Product benefits / Features

The infographic features a central image of four industrial HMI screens of varying sizes, each displaying a green web interface. Surrounding this central image are six feature descriptions, each with a circular icon: a browser icon for 'Web HMI with pre-installed HTML5 browser', a server icon for 'Visualize all web content of any HTTP server in industrial devices', a bar chart icon for 'Better visualization', a padlock icon for 'Cybersecurity enhancement with secure boot', a star icon for 'Simple and stylish design', and a hand icon for 'Easy installation with tool-free fastener'.

Features

Harmony ST6 Web HMI

- Web HMI with pre-installed HTML5 browser
- Visualize all web content of any HTTP server in industrial devices
- Better visualization
- Cybersecurity enhancement with secure boot
- Simple and stylish design
- Easy installation with tool-free fastener

Offer Marketing Illustration

Product benefits / Features

Technical Benefits

Harmony ST6 Web HMI

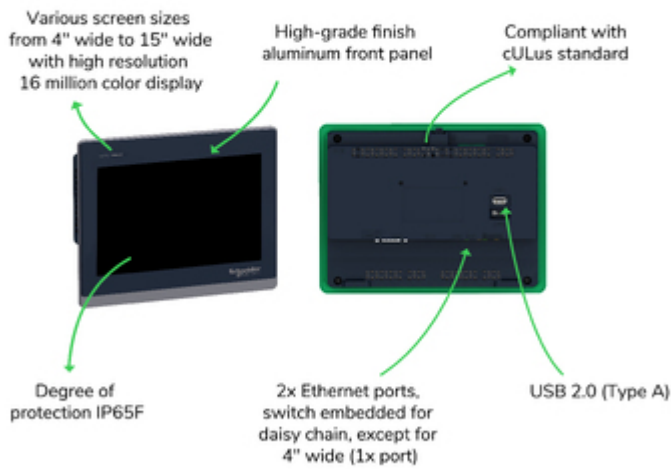


Image of product / Alternate images

Alternative

