

Product data sheet

Specifications



touch panel screen, Harmony ST6 ,
7inch wide display, 2Ethernet, USB
host and device, 24V DC

HMISTW6400

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 user data memory 128 kB backup memory

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
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	9 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	190 x 135 mm panel cut dimension
Height	153 mm
Width	208 mm
Depth	45 mm
Net weight	0.8 kg

Environment

Immunity to microbreaks	5 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	9.500 cm
Package 1 Width	18.000 cm
Package 1 Length	27.000 cm
Package 1 Weight	994.000 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	6.417 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.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

Environmental footprint

Total lifecycle Carbon footprint 690

Environmental Disclosure [Product Environmental Profile](#)

Use Better

Materials and Substances

F-gas free 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](#) Compliant with Exemptions

SCIP Number 20694bec-44d9-42c3-8fdd-3861ce15e3ab

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-free status Product contains halogen above thresholds

PVC free No

Silicone-free No

Use Again

Repack and remanufacture

End of life manual availability [End of Life Information](#)

Removable battery User replaceable

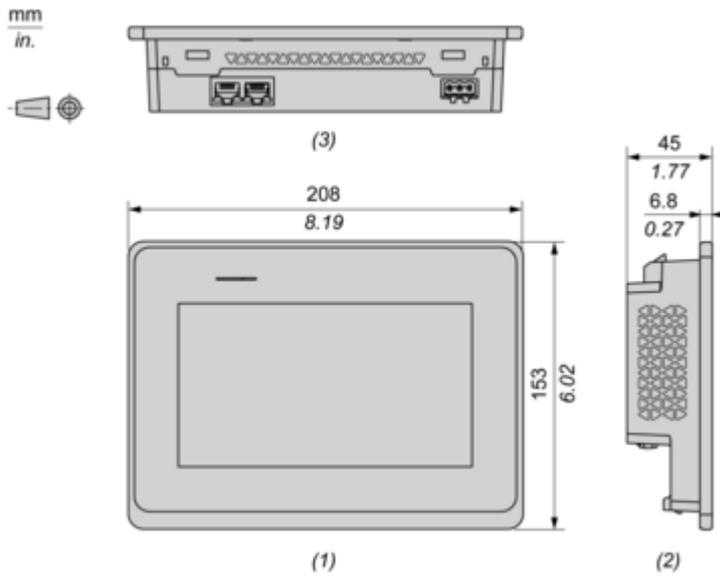
Take-back No

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

Dimensions Drawings

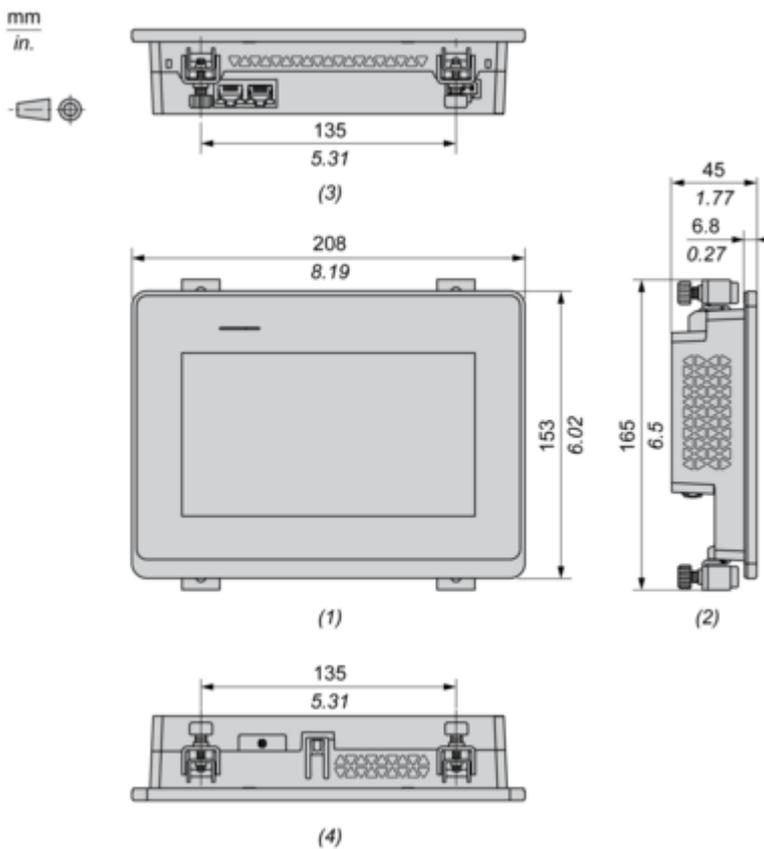
Dimensions

External Dimensions



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

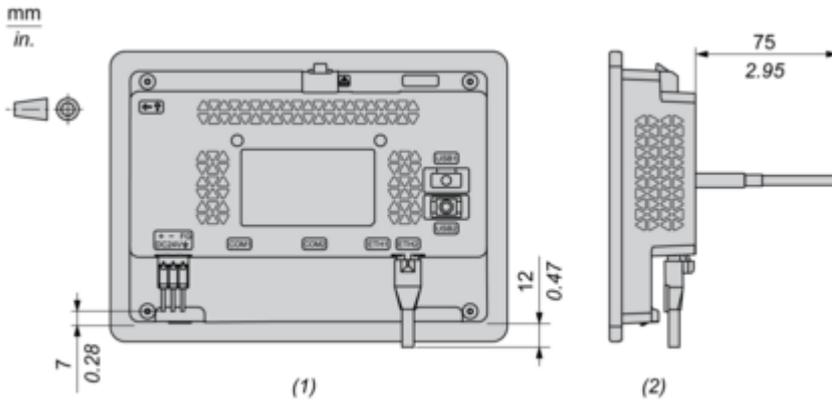
Dimensions with Installation Fasteners



- (1) : Front

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

Dimensions with Cables

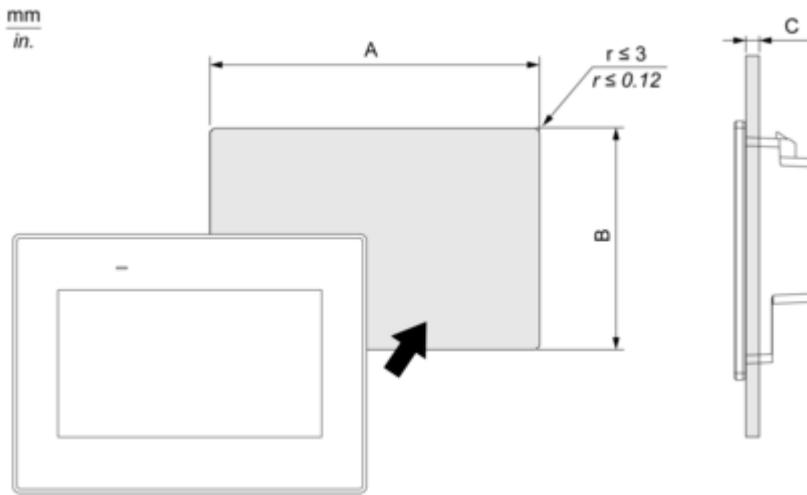


- (1) : Rear
- (2) : Right

Mounting and Clearance

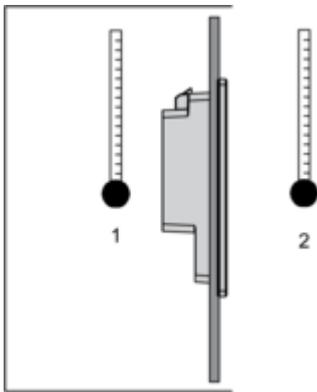
Mounting

Panel Cut Dimensions

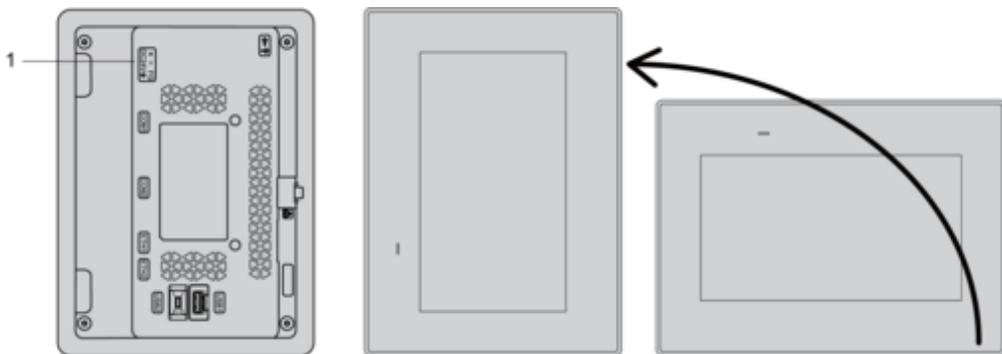


A		B		C	
mm	in.	mm	in.	mm	in.
190 (+1, -0)	7.48 (+0.04, -0)	135 (+1, -0)	5.31 (+0.04, -0)	1.6...5	0.06...0.2

Installation Requirements

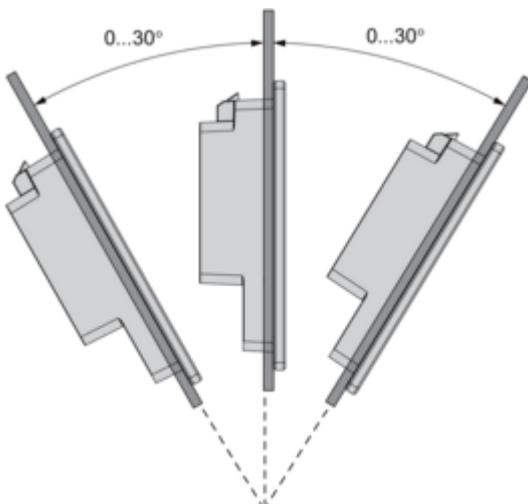


- 1 : Internal temperature
- 2 : External temperature



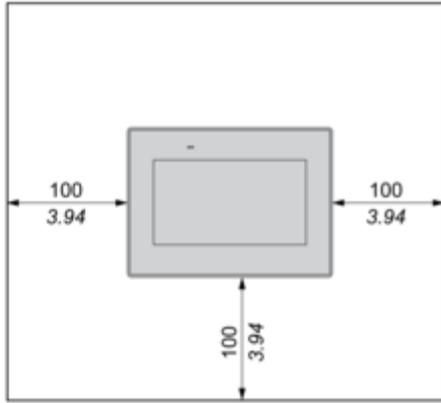
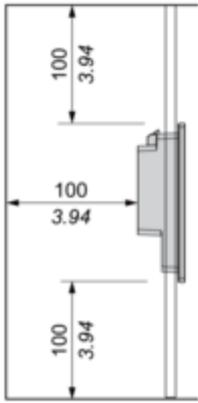
- 1 : Power connector

Mounting Angle



Clearance

mm
in.

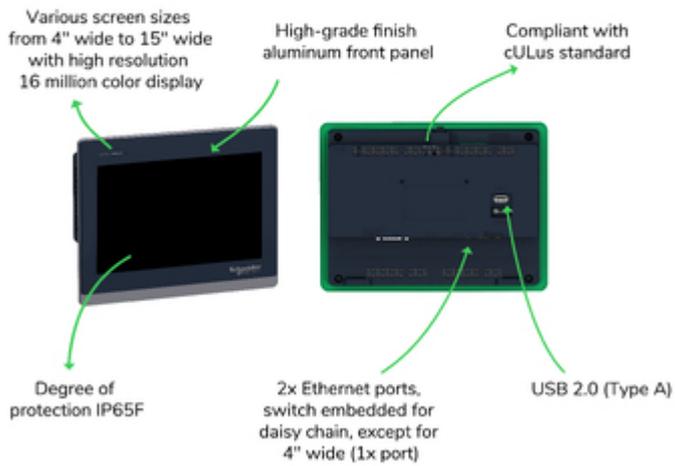


Offer Marketing Illustration

Product benefits / Features

Technical Benefits

Harmony ST6 Web HMI



Offer Marketing Illustration

Product benefits / Features

The infographic features a central stack of four industrial HMI screens displaying various data visualizations. Surrounding this central image are six circular icons, each paired with a text description of a feature. The background is a solid light blue color.

Features

Harmony ST6 Web HMI

- Web HMI with pre-installed HTML5 browser**: Represented by a circular icon containing a browser address bar with 'www'.
- Visualize all web content of any HTTP server in industrial devices**: Represented by a circular icon containing a browser address bar with 'www'.
- Better visualization**: Represented by a circular icon containing a bar chart.
- Cybersecurity enhancement with secure boot**: Represented by a circular icon containing a padlock.
- Simple and stylish design**: Represented by a circular icon containing three stars.
- Easy installation with tool-free fastener**: Represented by a circular icon containing two hands shaking.

Image of product / Alternate images

Alternative

