

Product datasheet

Specifications



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

HMISTW6500

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 | 10 inch |
| Display type | Colour TFT LCD |
| Display colour | 16 million colours |
| Display resolution | 1024 x 600 pixels WSVGA |
| 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 | 12.6 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 | 255 x 185 mm panel cut dimension |
| Height | 203 mm |
| width | 273 mm |
| Depth | 47 mm |
| Net weight | 1.3 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 | 4.7 cm |
| Package 1 Width | 20.3 cm |
| Package 1 Length | 27.3 cm |
| Package 1 Weight | 1.675 kg |

| | |
|-------------------------------------|----------|
| Unit Type of Package 2 | S04 |
| Number of Units in Package 2 | 4 |
| Package 2 Height | 30 cm |
| Package 2 Width | 40 cm |
| Package 2 Length | 60 cm |
| Package 2 Weight | 8.15 kg |
| Unit Type of Package 3 | P12 |
| Number of Units in Package 3 | 64 |
| Package 3 Height | 110 cm |
| Package 3 Width | 80 cm |
| Package 3 Length | 120 cm |
| Package 3 Weight | 138.4 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) | 960 |
|---|-----|

| | |
|--------------------------|---|
| Environmental Disclosure | Product Environmental Profile |
|--------------------------|---|

Use Better

Materials and Substances

| | |
|--|----|
| Packaging made with recycled cardboard | No |
|--|----|

| | |
|--------------------------------------|----|
| Packaging without single use plastic | No |
|--------------------------------------|----|

| | |
|-------------------|---------------------------|
| EU RoHS Directive | Compliant with Exemptions |
|-------------------|---------------------------|

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

| | |
|------------------|-----------------------------------|
| REACH Regulation | REACH Declaration |
|------------------|-----------------------------------|

| | |
|-----------------------|--|
| China RoHS Regulation | China RoHS declaration |
|-----------------------|--|

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

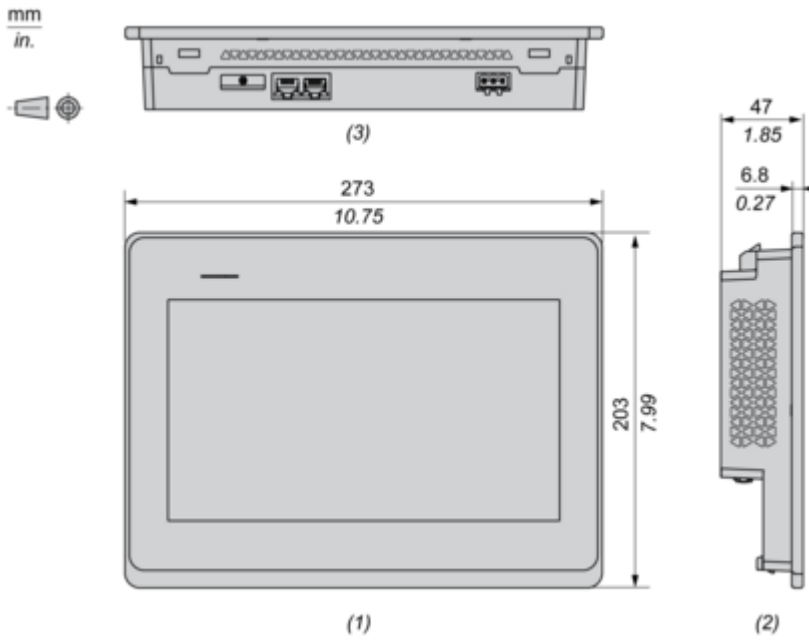
Take-back

No

Dimensions Drawings

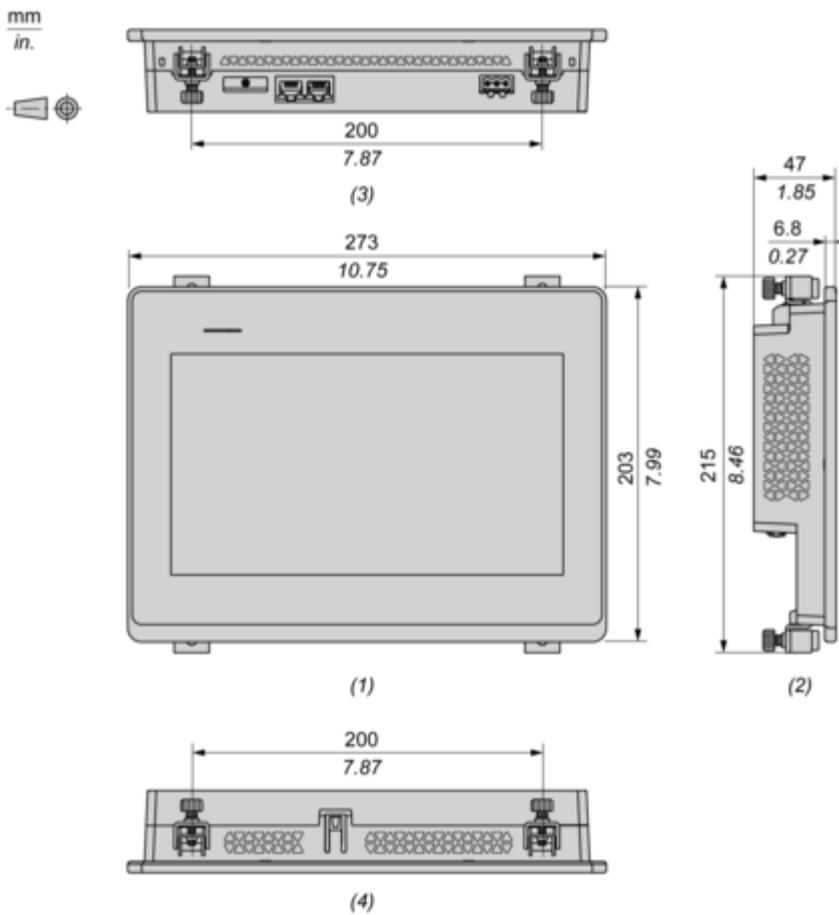
Dimensions

External Dimensions



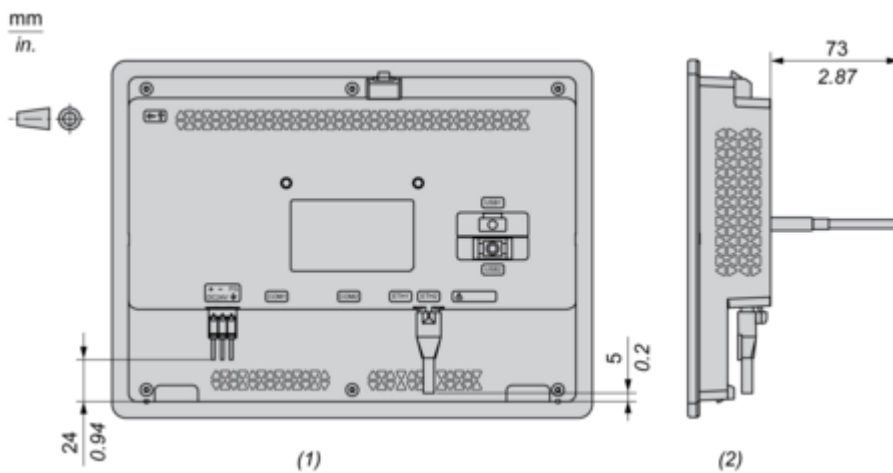
- (1) : Front
- (2) : Left
- (3) : Bottom

Dimensions with Installation Fasteners



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

Dimensions with Cables

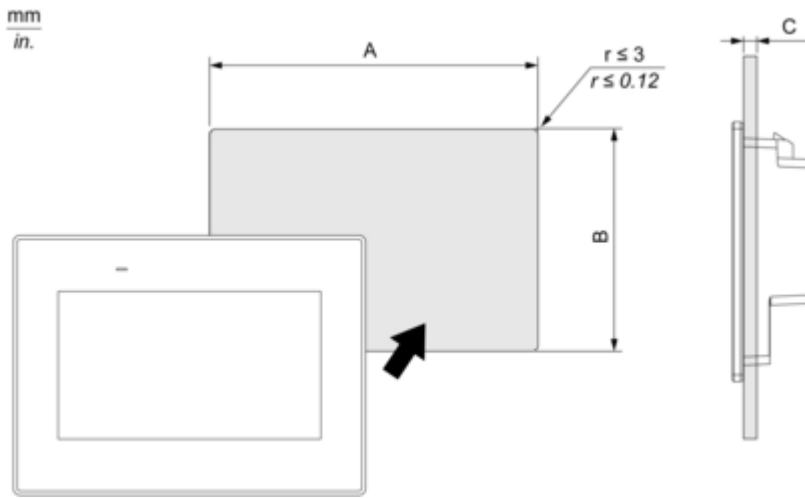


- (1) : Rear
- (2) : Right

Mounting and Clearance

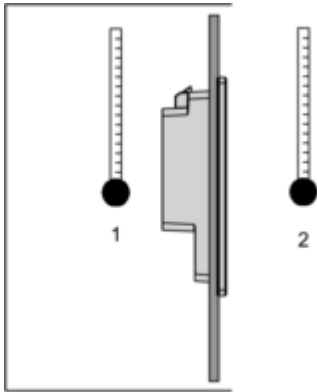
Mounting

Panel Cut Dimensions

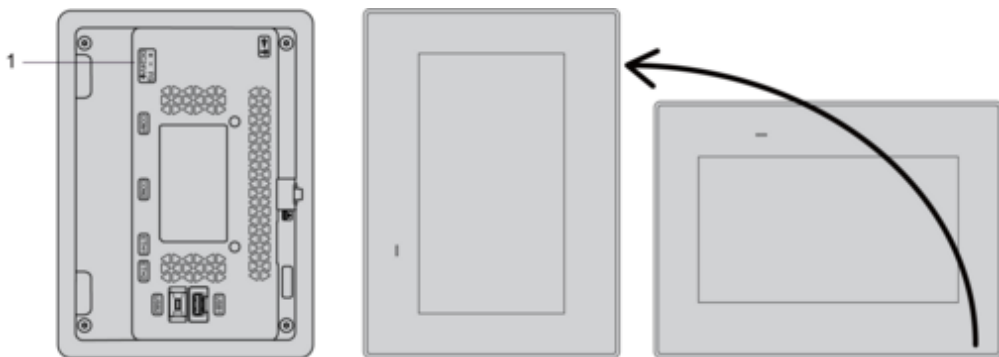


| A | | B | | C | |
|--------------|-------------------|--------------|------------------|---------|------------|
| mm | in. | mm | in. | mm | in. |
| 255 (+1, -0) | 10.04 (+0.04, -0) | 185 (+1, -0) | 7.28 (+0.04, -0) | 1.6...5 | 0.06...0.2 |

Installation Requirements

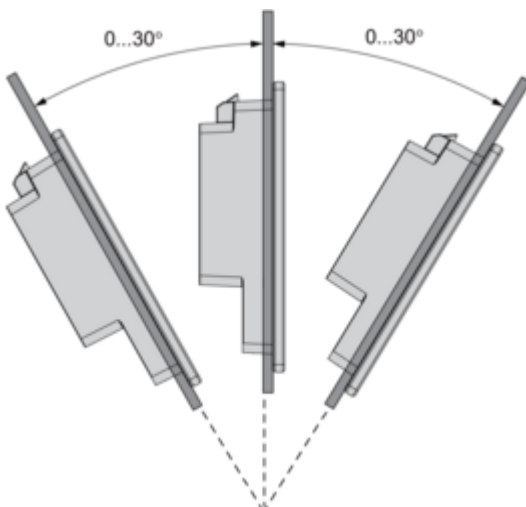


- 1 : Internal temperature
- 2 : External temperature



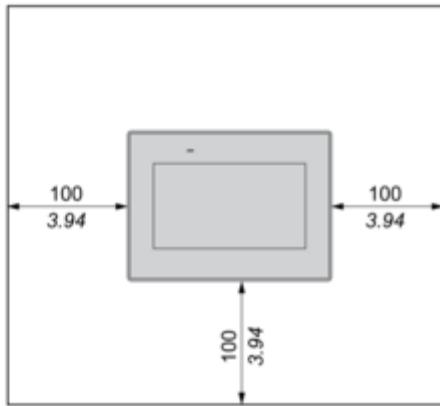
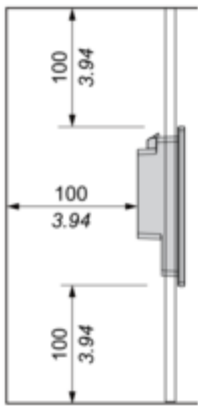
- 1 : Power connector

Mounting Angle



Clearance

mm
in.

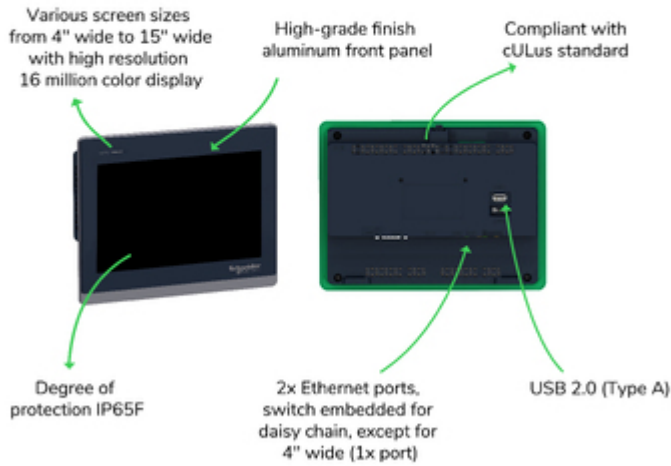


Offer Marketing Illustration

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 feature descriptions, each accompanied by 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 handshake 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

Image of product / Alternate images

Alternative

