

Product datasheet

Specifications



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

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 |

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 %) |
| 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) |
| Power consumption in W | 9 W |
| Processor frequency | 800 MHz |
| Port Ethernet | 10/100BASE |
| Memory description | 512 MB device memory 512 MB user data memory 128 kB backup memory |
| Integrated connection type | 1 USB 2.0 type Aback 1 Ethernet - female RJ45bottom |
| Supply | External supply |
| Realtime clock | Built-in 0...50 °C |

| | |
|--------------------|---|
| | Built-in 10...90 % RH |
| Fixing mode | By 4 screws, mounting on 1.6...5 mm thick panel conforming to UL 61010-2-201 By 4 screws conforming to EN 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 | EN 61000-6-4 EN 61000-6-2 EN 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 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/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 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 | 9.65 cm |
| Package 1 Width | 18.29 cm |
| Package 1 Length | 26.92 cm |
| Package 1 Weight | 1.02 kg |
| Unit Type of Package 2 | S03 |
| Number of Units in Package 2 | 6 |

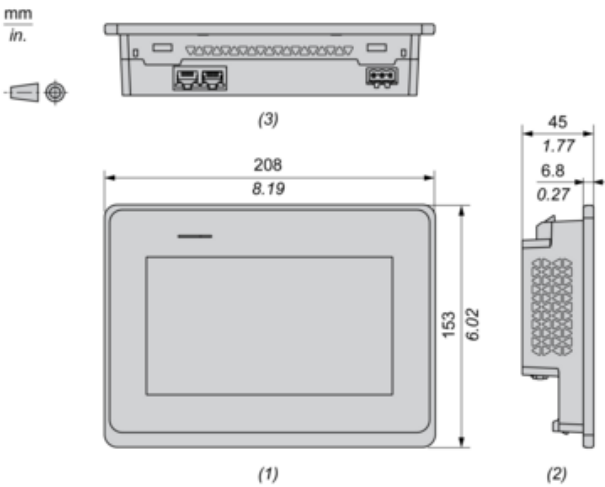
| | |
|------------------------------|----------|
| Package 2 Height | 30 cm |
| Package 2 Width | 30 cm |
| Package 2 Length | 40 cm |
| Package 2 Weight | 7.9 kg |
| Unit Type of Package 3 | P12 |
| Number of Units in Package 3 | 144 |
| Package 3 Height | 110 cm |
| Package 3 Width | 80 cm |
| Package 3 Length | 120 cm |
| Package 3 Weight | 149.6 kg |

Offer Sustainability

| | |
|----------------------------|---|
| Sustainable offer status | Green Premium product |
| REACH Regulation | REACH Declaration |
| EU RoHS Directive | Compliant EU RoHS Declaration |
| Mercury free | Yes |
| China RoHS Regulation | China RoHS declaration |
| RoHS exemption information | Yes |
| Environmental Disclosure | Product Environmental Profile |
| Circularity Profile | End of Life Information |
| WEEE | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |

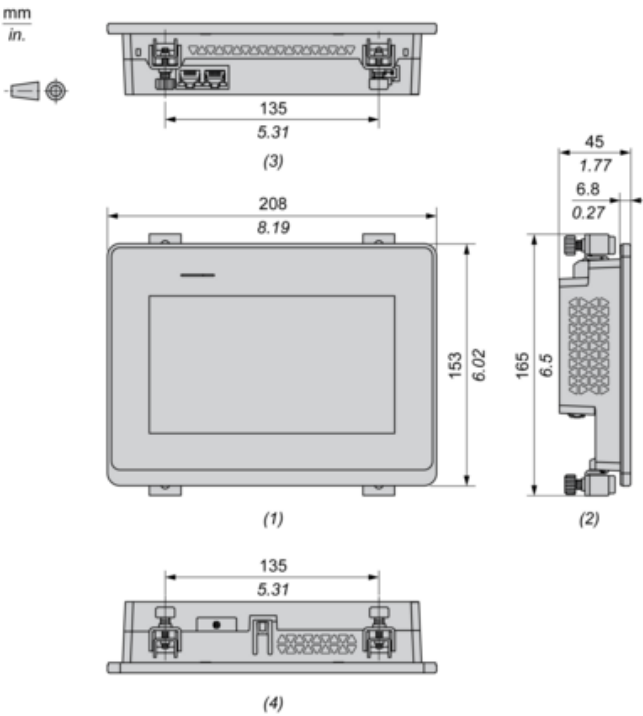
Dimensions

External Dimensions



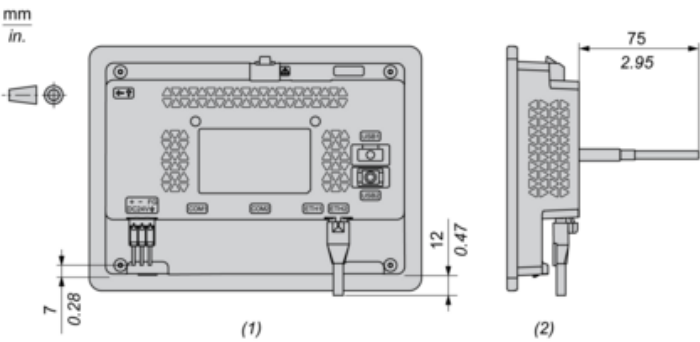
- (1) : Front
- (2) : Left
- (3) : Bottom

Dimensions with Installation Fasteners



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

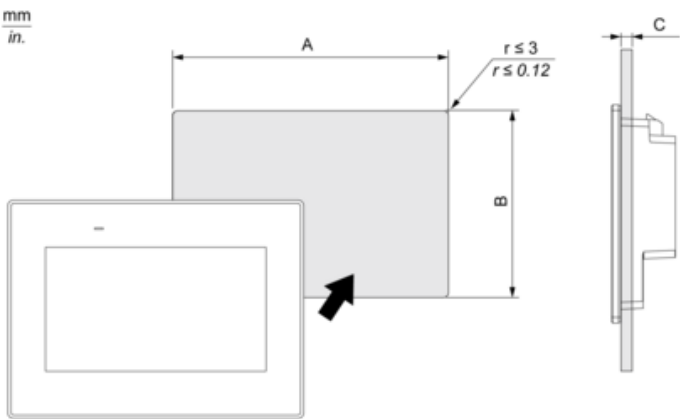
Dimensions with Cables



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

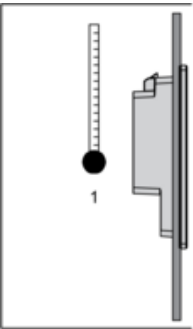
Mounting

Panel Cut Dimensions

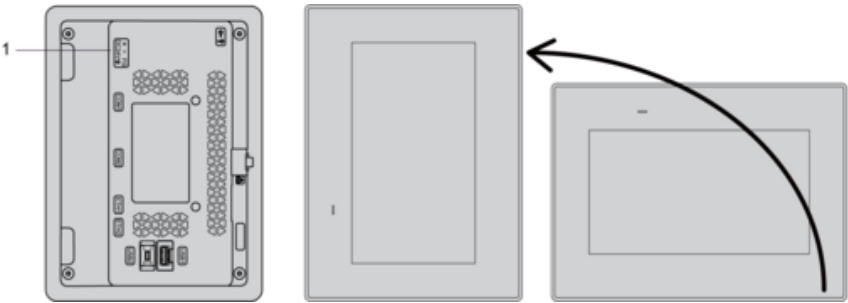


| A | | B | | C | |
|--------------|------------------|--------------|------------------|---------|------------|
| mm | in. | mm | in. | mm | in. |
| 190 (+1, -0) | 7.48 (+0.04, -0) | 135 (+1, -0) | 5.31 (+0.04, -0) | 1.6...5 | 0.06...0.2 |

Installation Requirements

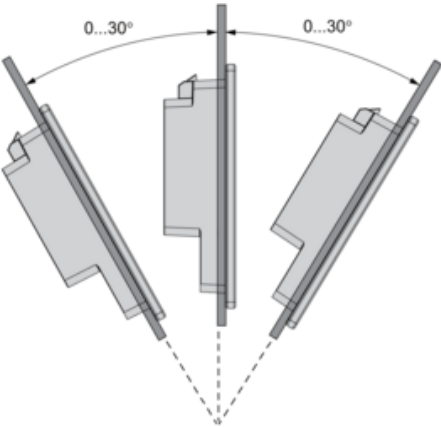


- 1 : Internal temperature
- 2 : External temperature

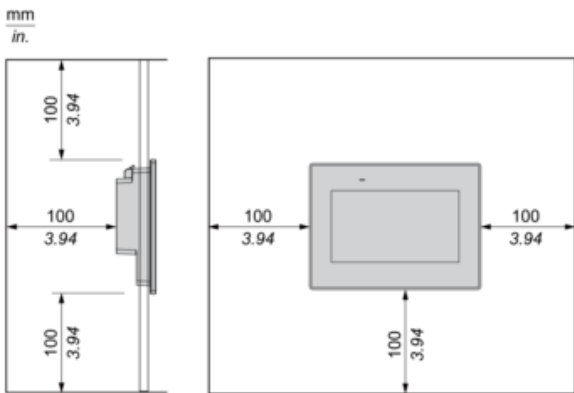


- 1 : Power connector

Mounting Angle



Clearance



Recommended replacement(s)