

Product datasheet

Specifications



Touch panel screen, Harmony ST6, 7"W display, 2COM, 2Ethernet, USB host&device, 24 VDC

Local distributor code:

408896337

HMIST6400

EAN Code: 3606489523381

Main

| | |
|---------------------------|---|
| Range of product | Harmony ST6 |
| Product or component type | Touch panel screen |
| Processor name | ARM Cortex-A8 |
| Memory description | 1 GB device memory 128 MB user data memory 512 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) Chinese (simplified Chinese) Japanese (ANK, Kanji) Katakana Korean Taiwanese (traditional Chinese) |
| [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) |
| Number of pages | 200 application pages |
| Port Ethernet | 10/100BASE |
| Integrated connection type | 1 COM1 serial link - 1 SUB-D 9-pin female - RS232C (rate: 2400...115200 bps)bottom 1 COM2 serial link - female RJ45 - RS485 (rate: 2400...115200 bps)back COM2 serial link (rate: 2400...187500 bps)back 1 USB 2.0 type Abottom 1 USB 2.0 type micro B 2 Ethernet |

| | |
|-------------------------------|--|
| 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 Modicon Mitsubishi Melsec Omron Sysmac Rockwell Automation Allen-Bradley Siemens Simatic |
| 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 | 9.200 cm |
| Package 1 Width | 17.500 cm |
| Package 1 Length | 27.000 cm |
| Package 1 Weight | 1.014 kg |
| 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 | 6.457 kg |

Contractual warranty

| | |
|----------------------|----|
| Warranty (in months) | 18 |
|----------------------|----|



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](#) Pro-active compliance (Product out of EU RoHS legal scope)

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

REACH Regulation [REACH Declaration](#)

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

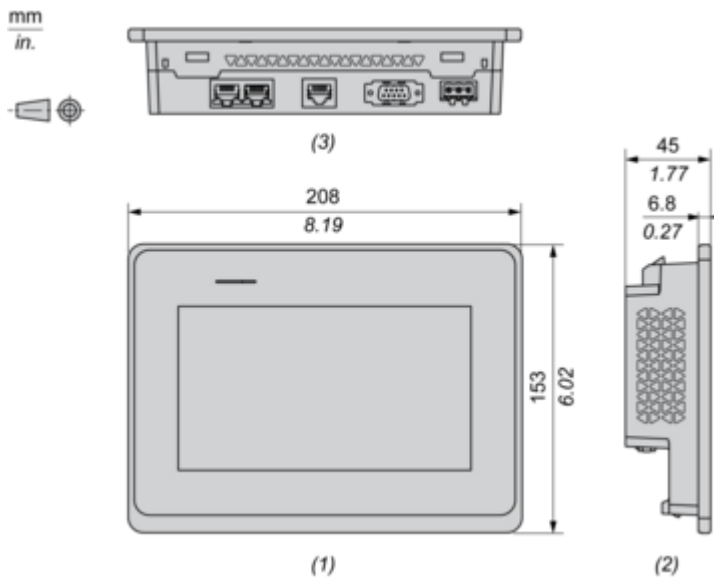
Take-back No

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

Dimensions Drawings

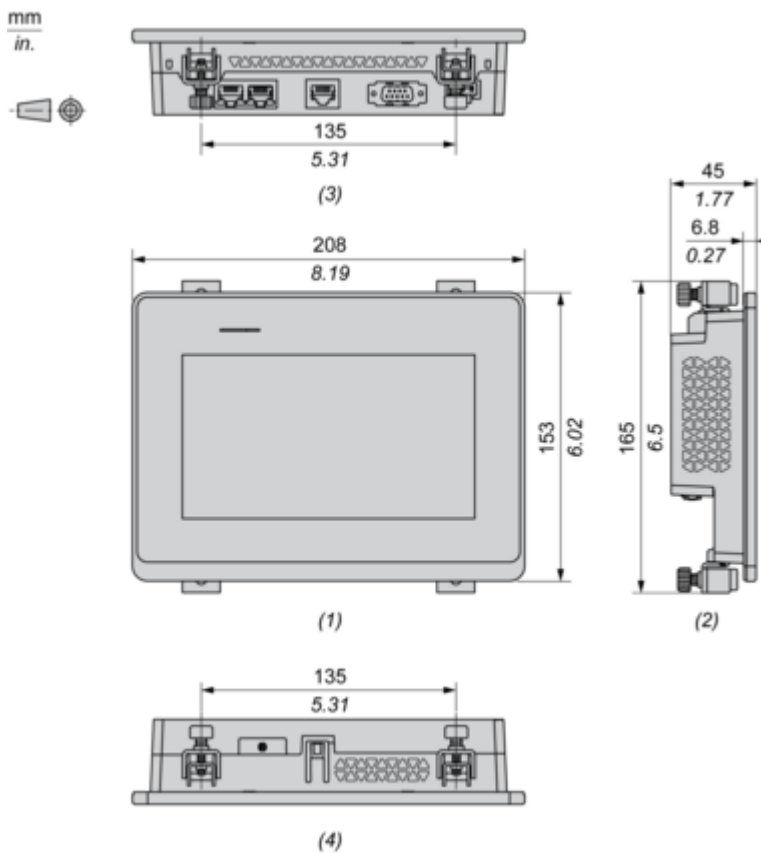
Dimensions

External Dimensions



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

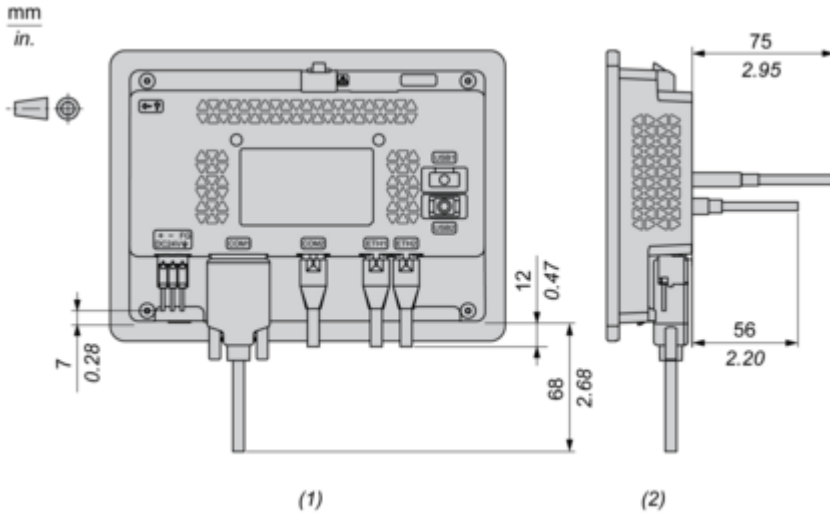
Dimensions with Installation Fasteners



- (1) : Front

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

Dimensions with Cables

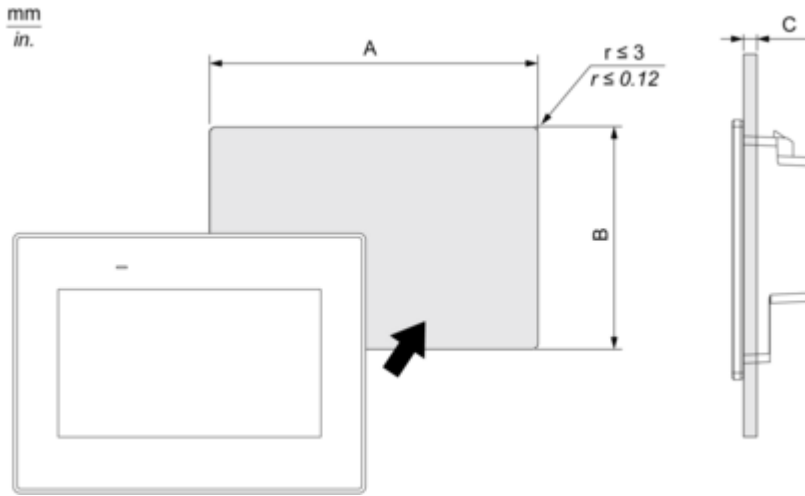


- (1) : Rear
- (2) : Right

Mounting and Clearance

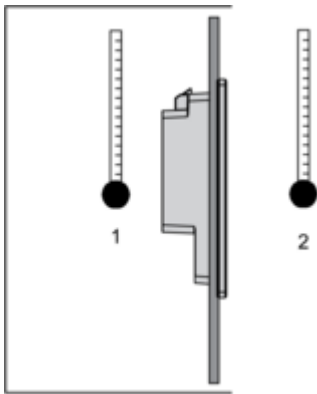
Mounting

Panel Cut Dimensions

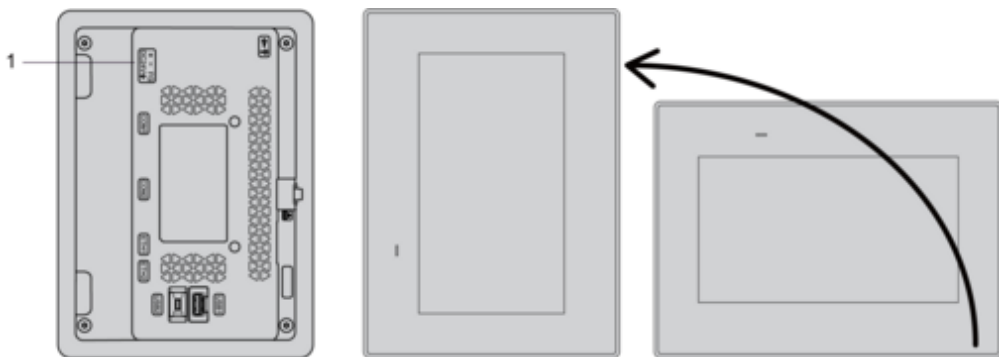


| A | | B | | C | |
|--------------|------------------|--------------|------------------|---------|------------|
| mm | in. | mm | in. | mm | in. |
| 190 (+1, -0) | 7.48 (+0.04, -0) | 135 (+1, -0) | 5.31 (+0.04, -0) | 1.6...5 | 0.06...0.2 |

Installation Requirements

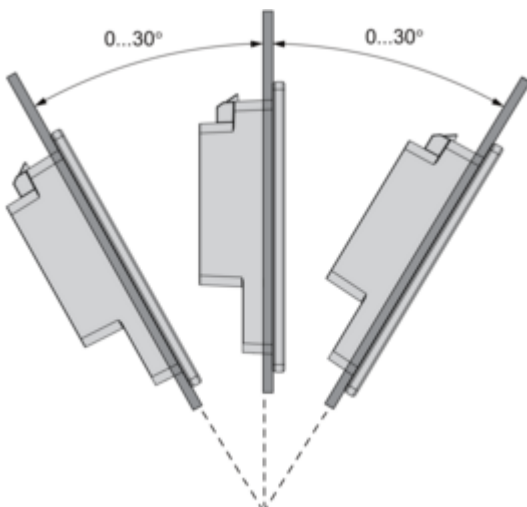


- 1 : Internal temperature
- 2 : External temperature



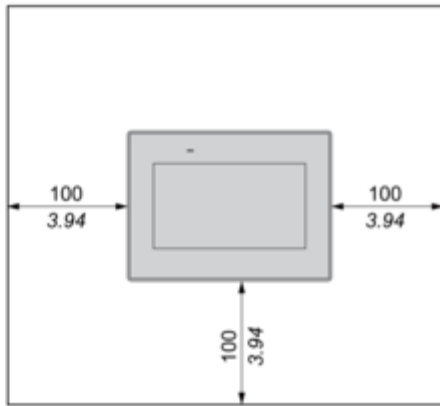
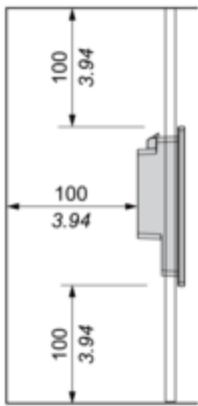
- 1 : Power connector

Mounting Angle



Clearance

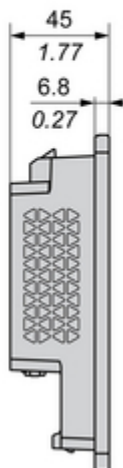
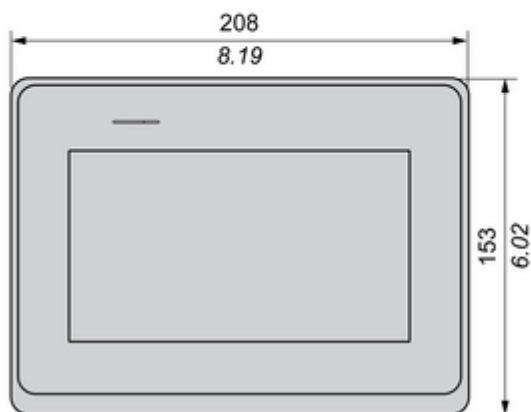
mm
in.



Technical Illustration

Dimensions

mm
in.

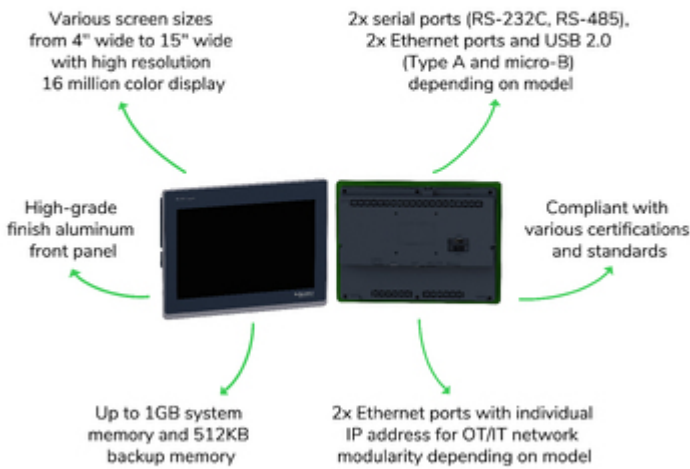


Offer Marketing Illustration

Product benefits / Features

Technical Benefits

Harmony ST6 Basic HMI



Offer Marketing Illustration

Product benefits / Features

The graphic features a central image of a Schneider Electric HMIST6400 HMI screen. Surrounding the screen are six circular icons, each with a corresponding text block describing a feature. The background is a solid green color.

Features

Harmony ST6 Basic HMI

- Better visualization of machine data and operation performance** (Icon: Bar chart with a play button)
- Cybersecurity enhancement with secure boot and encrypted transfer** (Icon: Padlock)
- User-friendly protocols allowing you to easily connect your OT devices to IT with OPC-UA** (Icon: Network diagram)
- Long-term stable supply, and Global Service and Support** (Icon: Handshake)
- Enable remote monitoring and remote maintenance securely by PC, tablet and smartphone** (Icon: House with an arrow pointing out)
- Create highly responsive screens with ease by configuration software "EcoStruxure" Operator Terminal Expert** (Icon: Document with a play button)

Image of product / Alternate images

Alternative



