

# Product datasheet

Specifications



## Touch panel screen, Harmony ST6, 10"W display, 2COM, 2Ethernet, USB host&device, 24 VDC

Local distributor code:

408896340

HMIST6500

**EAN Code: 3606489523398**

### Main

<b>Range of product</b>	Harmony ST6
<b>Product or component type</b>	Touch panel screen
<b>Processor name</b>	ARM Cortex-A8
<b>Memory description</b>	1 GB device memory 512 KB backup memory 128 MB user data memory

### Complementary

<b>Display size</b>	10 inch
<b>Display type</b>	Colour TFT LCD
<b>Display colour</b>	16 million colours
<b>Display resolution</b>	1024 x 600 pixels WSVGA
<b>Touch panel</b>	Single touch analogue resistive
<b>Backlight lifespan</b>	50000 hours with white
<b>Brightness</b>	16 levels
<b>Character font</b>	ASCII ASCII (European characters) Chinese (simplified Chinese) Japanese (ANK, Kanji) Katakana Korean Taiwanese (traditional Chinese)
<b>[Us] rated supply voltage</b>	24 V DC (+/- 20 %)
<b>Power consumption in W</b>	12.6 W
<b>Inrush current</b>	30 A
<b>Local signalling</b>	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)
<b>Number of pages</b>	200 application pages
<b>Port Ethernet</b>	10/100BASE
<b>Integrated connection type</b>	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

<b>Supply</b>	External supply
<b>Realtime clock</b>	Built-in 0...50 °C Built-in 10...90 % RH
<b>Downloadable protocols</b>	Modbus Uni-TE Third party protocols
<b>Product brand</b>	Schneider Electric Modicon Mitsubishi Melsec Omron Sysmac Rockwell Automation Allen-Bradley Siemens Simatic
<b>Fixing mode</b>	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
<b>Enclosure material</b>	PC
<b>Front material</b>	Aluminium
<b>Marking</b>	CE
<b>Cut-out dimensions</b>	255 x 185 mm panel cut dimension
<b>Height</b>	203 mm
<b>Width</b>	273 mm
<b>Depth</b>	47 mm
<b>Net weight</b>	1.3 kg

## Environment

<b>Immunity to microbreaks</b>	10 ms
<b>Standards</b>	IEC 61000-6-4 IEC 61000-6-2 IEC 61131-2 UL 61010-2-201 CSA C22.2 No 61010-2-201
<b>Product certifications</b>	CSA CE UKCA
<b>Directives</b>	2014/35/EU - low voltage directive 2014/30/EU - electromagnetic compatibility
<b>Ambient air temperature for operation</b>	0...50 °C
<b>Ambient air temperature for storage</b>	-20...60 °C
<b>Relative humidity</b>	10...90 % non-condensing
<b>Operating altitude</b>	2000 m
<b>IP degree of protection</b>	IP20 (rear panel) conforming to IEC 61131-2 IP65 (front panel) conforming to IEC 61131-2
<b>NEMA degree of protection</b>	NEMA 4 front panel (indoor use) NEMA 13 front panel (in enclosure)
<b>Shock resistance</b>	147 m/s <sup>2</sup> for 11 ms (X, Y, Z directions for 3 times) conforming to IEC 61131-2
<b>Vibration resistance</b>	+/- 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 <sup>2</sup> (f = 9...150 Hz)
<b>Electromagnetic compatibility</b>	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	12.500 cm
Package 1 Width	28.000 cm
Package 1 Length	34.500 cm
Package 1 Weight	1.825 kg
Unit Type of Package 2	S04
Number of Units in Package 2	4
Package 2 Height	30.000 cm
Package 2 Width	40.000 cm
Package 2 Length	60.000 cm
Package 2 Weight	8.300 kg

## Contractual warranty

Warranty	18 months
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## 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 977

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

Recyclability potential, in % 29

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

Removable battery User replaceable

Take-back No

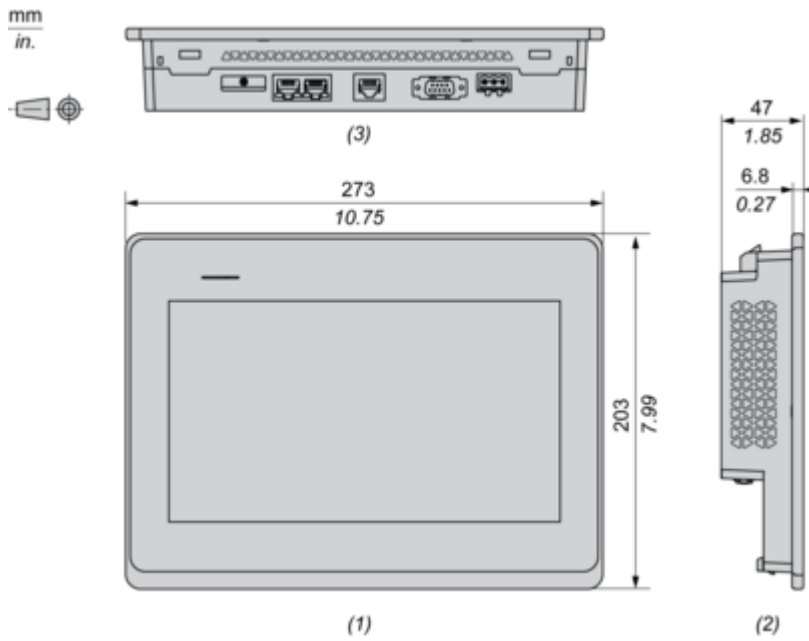
WEEE Label  The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Dimensions Drawings

Dimensions

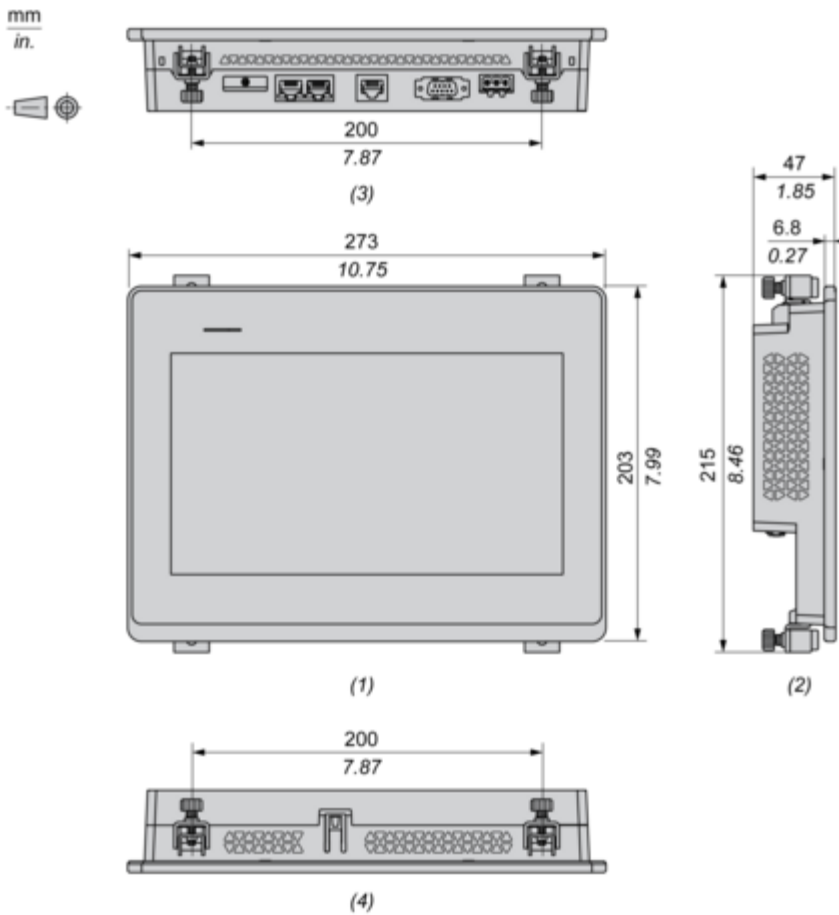
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External Dimensions



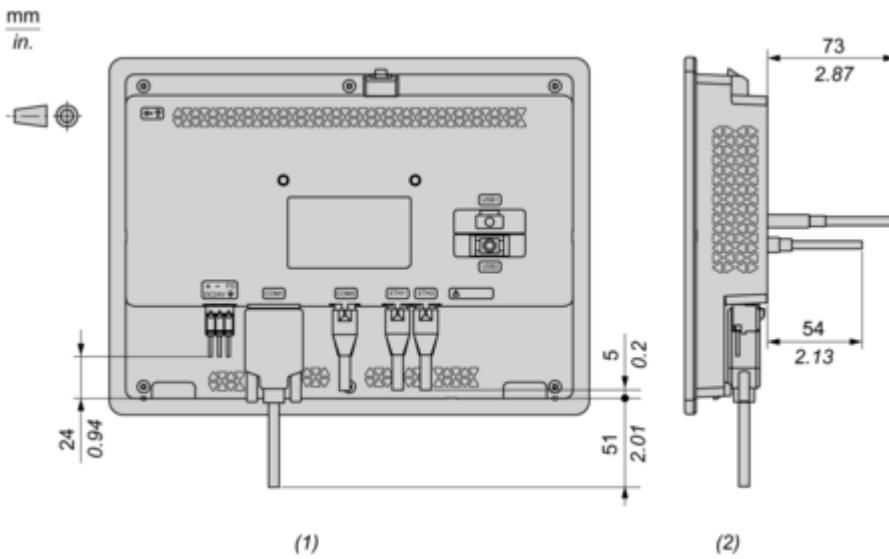
- (1) : Front
- (2) : Left
- (3) : Bottom

Dimensions with Installation Fasteners



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

Dimensions with Cables



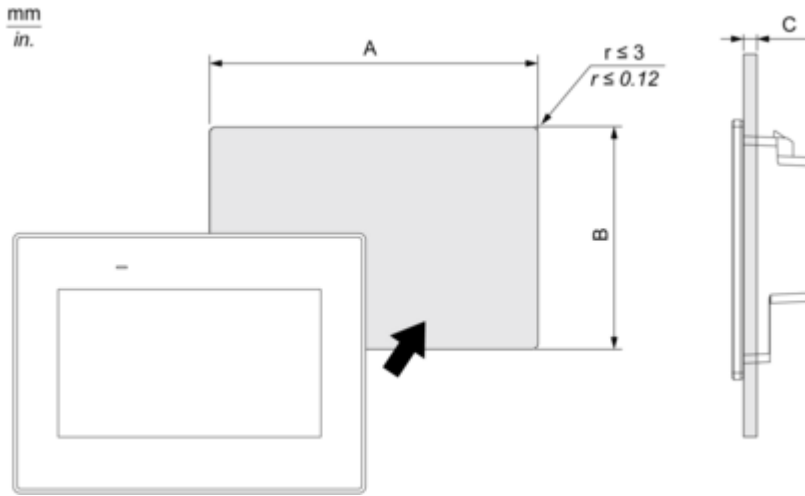
- (1) : Rear
- (2) : Right

Mounting and Clearance

Mounting

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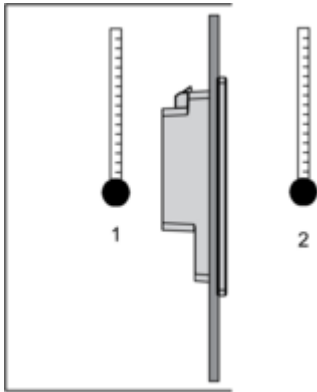
Panel Cut Dimensions



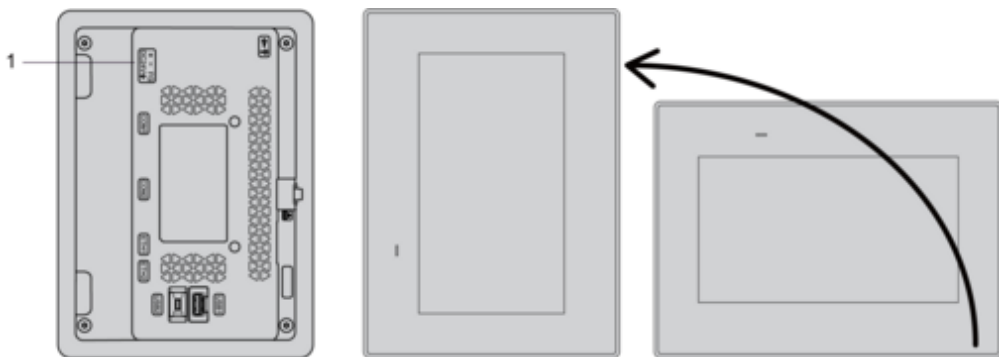
A		B		C	
mm	in.	mm	in.	mm	in.
255 (+1, -0)	10.04 (+0.04, -0)	185 (+1, -0)	7.28 (+0.04, -0)	1.6...5	0.06...0.2

Installation Requirements

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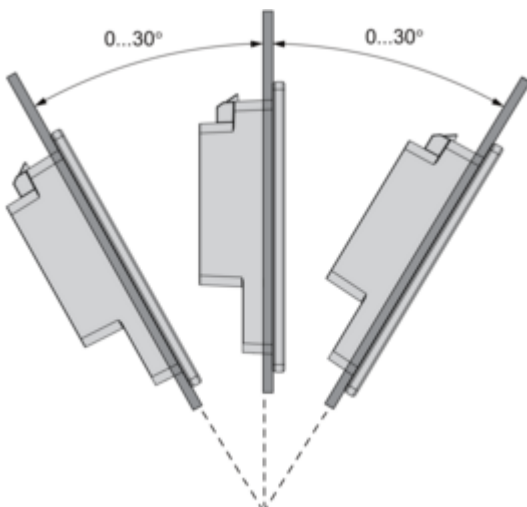


- 1 : Internal temperature
- 2 : External temperature



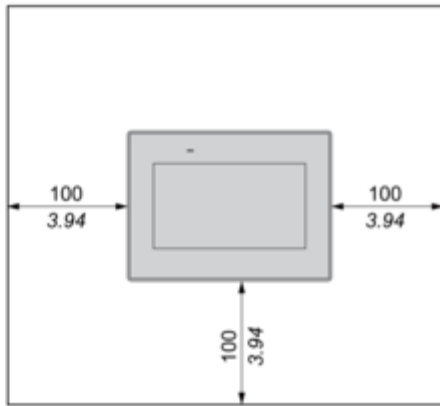
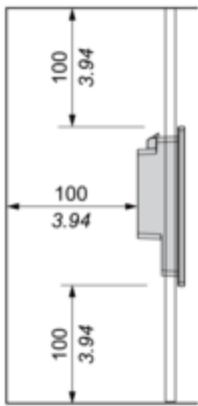
- 1 : Power connector

**Mounting Angle**



**Clearance**

mm  
in.

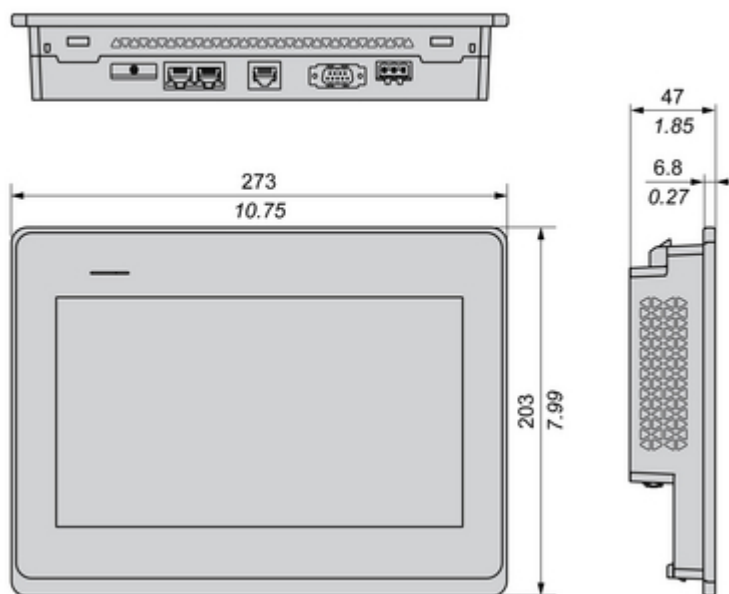


Technical Illustration

Dimensions

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mm  
in.



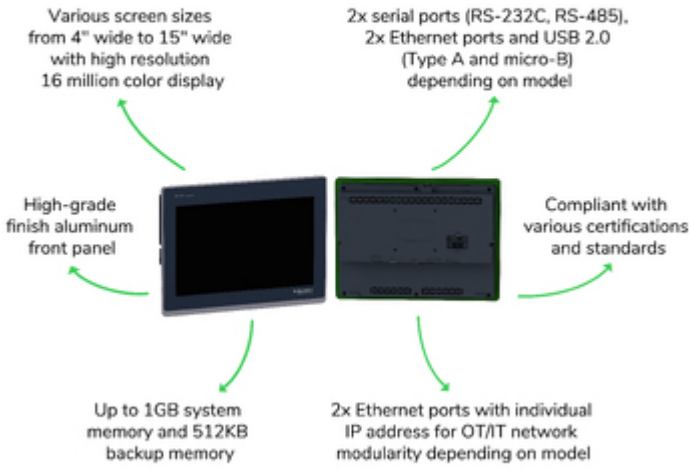
Offer Marketing Illustration

Product benefits / Features

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## Technical Benefits

### Harmony ST6 Basic HMI



Offer Marketing Illustration

Product benefits / Features

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The infographic features a central image of a black HMI screen. Surrounding it 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

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