

# Product datasheet

Specifications



Touch panel screen, Harmony ST6, 4"W display, 1COM, 1Ethernet, USB host&device, 24 VDC

HMIST6200

## Main

Range of product	Harmony ST6
Product or component type	Touch panel screen
Processor name	ARM Cortex-A8

## Complementary

Display size	4 inch
Display type	Colour TFT LCD
Display colour	16 million colours
Display resolution	480 x 272 pixels
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 %)
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	6.9 W
number of pages	200 application pages
Software package	EcoStruxure Operator Terminal Expert
Processor frequency	800 MHz
Port Ethernet	10/100BASE
Memory description	512 MB device memory 128 MB user data memory 512 KB backup memory

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

<b>Integrated connection type</b>	1 COM1 serial link - 1 SUB-D 9-pin female - RS232C/RS485 (rate: 2400...115200 bps)bottom COM1 serial link (rate: 2400...187500 bps)back 1 USB 2.0 type Aback 1 USB 2.0 type micro Bbottom 1 Ethernet - female RJ45 - RS485
<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 2 screws, mounting on 1.6...5 mm thick panel conforming to UL 61010-2-201 By 2 screws conforming to IEC 61131-2 By 2 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>	118.5 x 92.5 mm panel cut dimension
<b>Height</b>	108.5 mm
<b>Width</b>	134.5 mm
<b>Depth</b>	43 mm
<b>Net weight</b>	0.4 kg

## Environment

<b>Immunity to microbreaks</b>	2 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 10 cycles (approx. 100 min)) 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

---

<b>Unit Type of Package 1</b>	PCE
-------------------------------	-----

---

<b>Number of Units in Package 1</b>	1
-------------------------------------	---

---

<b>Package 1 Height</b>	8.100 cm
-------------------------	----------

---

<b>Package 1 Width</b>	13.700 cm
------------------------	-----------

---

<b>Package 1 Length</b>	18.600 cm
-------------------------	-----------

---

<b>Package 1 Weight</b>	451.000 g
-------------------------	-----------

---

<b>Unit Type of Package 2</b>	S03
-------------------------------	-----

---

<b>Number of Units in Package 2</b>	12
-------------------------------------	----

---

<b>Package 2 Height</b>	30.000 cm
-------------------------	-----------

---

<b>Package 2 Width</b>	30.000 cm
------------------------	-----------

---

<b>Package 2 Length</b>	40.000 cm
-------------------------	-----------

---

<b>Package 2 Weight</b>	5.864 kg
-------------------------	----------

## Sustainability

**Green Premium™ label** is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)



Transparency RoHS/REACH

## Well-being performance

Mercury Free

RoHS Exemption Information Yes

## Certifications & Standards

Reach Regulation [REACH Declaration](#)

Eu RoHS Directive Pro-active compliance (Product out of EU RoHS legal scope)

China RoHS Regulation [China RoHS declaration](#)

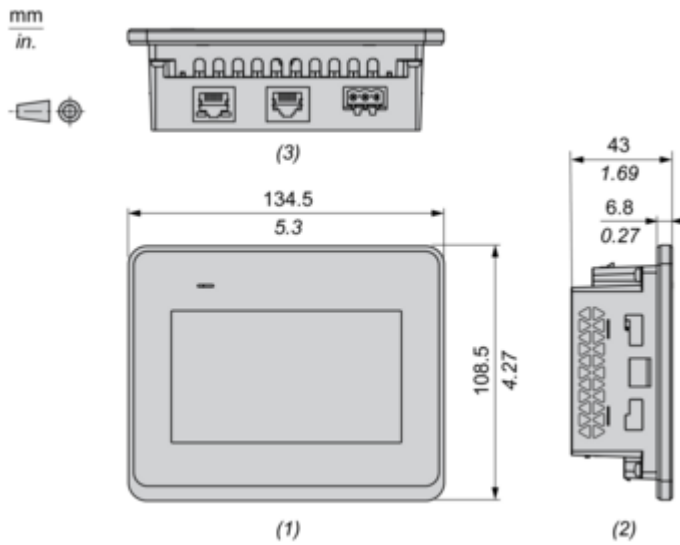
Environmental Disclosure [Product Environmental Profile](#)

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

Dimensions Drawings

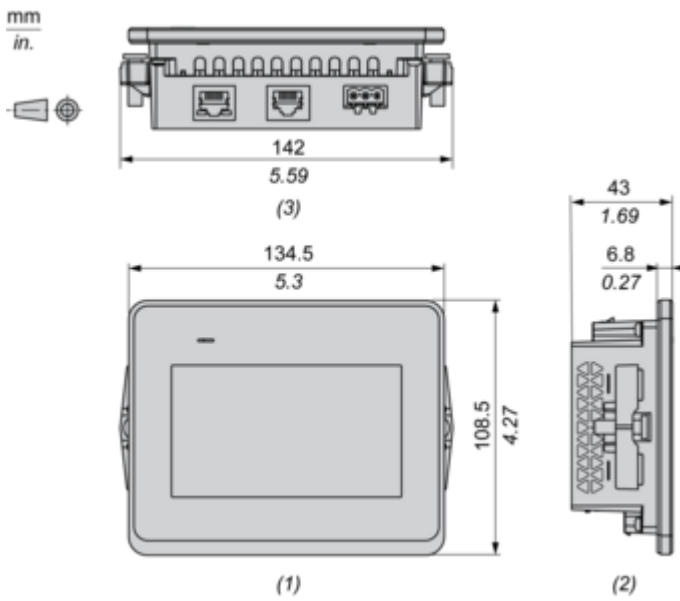
Dimensions

External Dimensions



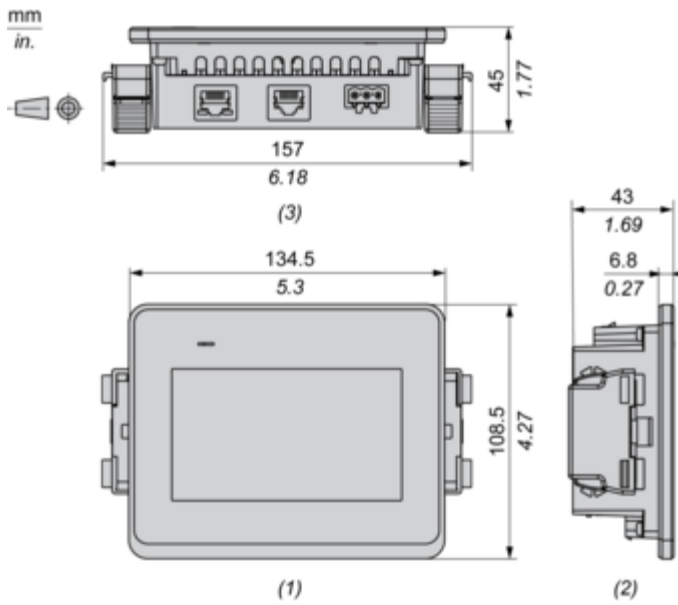
- (1) : Front
- (2) : Left
- (3) : Bottom

Dimensions with Installation Fasteners



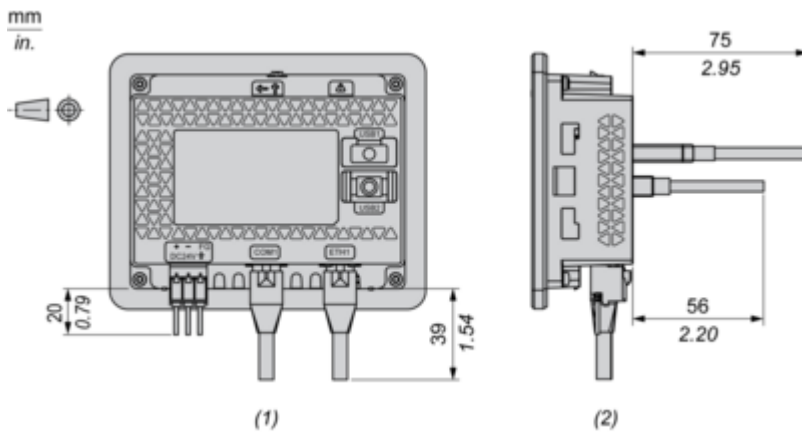
- (1) : Front
- (2) : Left
- (3) : Bottom

Dimensions with Spring Clips



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

**Dimensions with Cables**

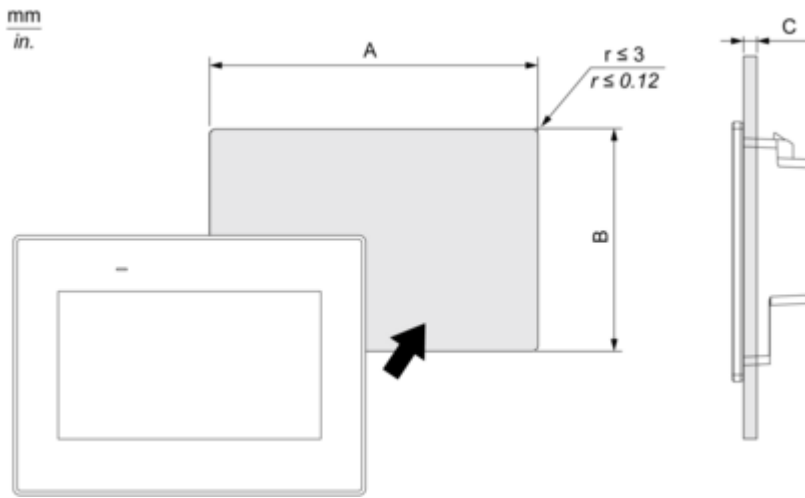


- (1) : Rear
- (2) : Right

Mounting and Clearance

Mounting

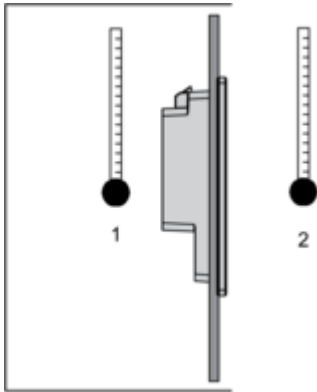
Panel Cut Dimensions



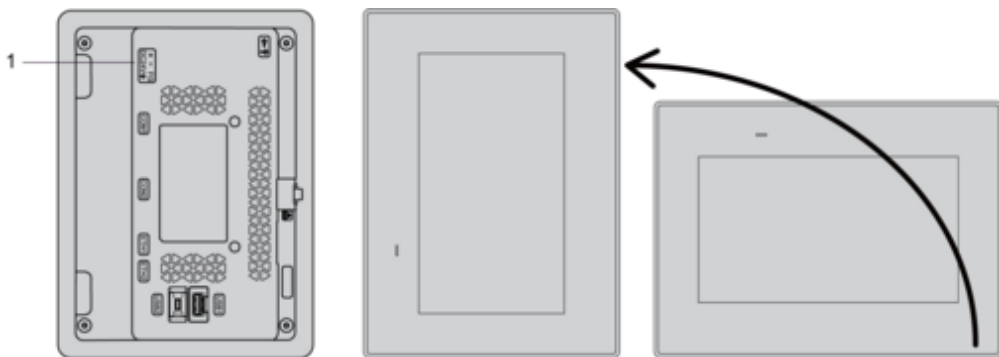
A		B		C Installing with spring			
				Position 1		Position 2	
mm	in.	mm	in.	mm	in.	mm	in.
118.5 (+1, -0)	4.67 (+0.04, -0)	92.5 (+1, -0)	3.64 (+0.04, -0)	1.5...4	0.06...0.16	4...6	0.16...0.24

Installation Requirements

---

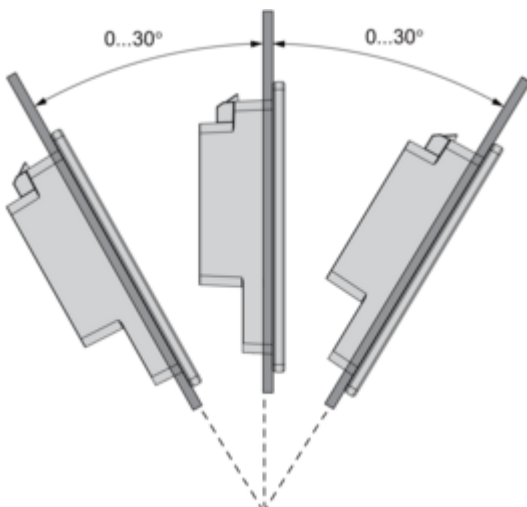


- 1 : Internal temperature
- 2 : External temperature



- 1 : Power connector

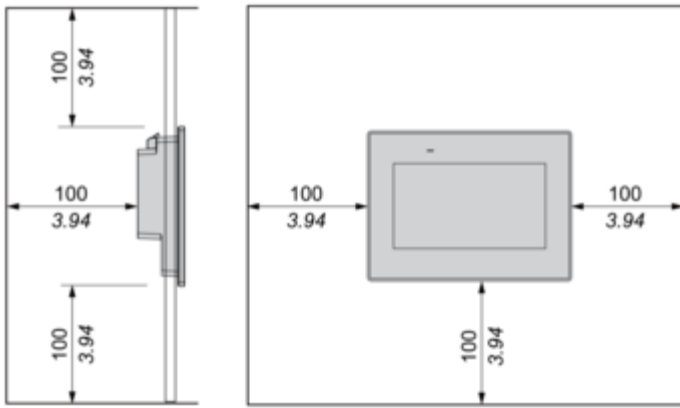
Mounting Angle



Clearance



mm  
in.



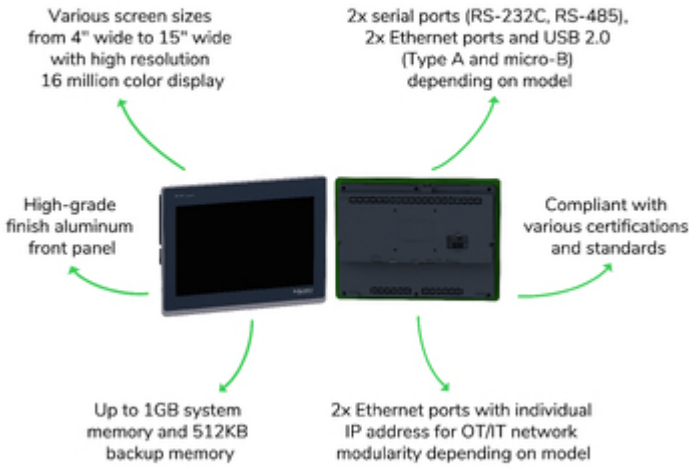
Offer Marketing Illustration

Product benefits / Features

---

## Technical Benefits

### Harmony ST6 Basic HMI



Offer Marketing Illustration

Product benefits / Features

---

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**
- Cybersecurity enhancement with secure boot and encrypted transfer**
- User-friendly protocols allowing you to easily connect your OT devices to IT with OPC-UA**
- Long-term stable supply, and Global Service and Support**
- Enable remote monitoring and remote maintenance securely by PC, tablet and smartphone**
- Create highly responsive screens with ease by configuration software "EcoStruxure" Operator Terminal Expert"**

Image of product / Alternate images

Alternative

---



