

Product datasheet

Specifications



touch panel display ,Harmony
STM6, 4inch wide display, 1COM,
2Ethernet, USB host and device,
24V DC

HMISTM6200

Main

Range of product	Harmony ST6
Product or component type	Touch panel screen
Software package	EcoStruxure Operator Terminal Expert
Processor name	ARM Cortex-A8
Processor frequency	800 MHz
Memory description	1 GB device memory 128 MB user data memory 512 KB backup memory

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	20000 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	7.8 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 - female RJ45 - RS232C/RS485 (rate: 2400...115200 bps)bottom 1 USB 2.0 type Aback 1 USB 2.0 type micro Bback 2 Ethernet - female RJ45bottom
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	Ø 22 mm hole, mounting on 1.5 to 6 mm thick panel conforming to UL 61010-2-201 Ø 22 mm hole conforming to IEC 61131-2 Ø 22 mm hole conforming to IEC 61000-6-2
Enclosure material	PC
Front material	Plastic
Marking	CE
Cut-out dimensions	Ø 22.5 mm
Height	108.2 mm
width	145.6 mm
Depth	53.9 mm
Net weight	0.49 kg

Environment

Immunity to microbreaks	2 ms
Standards	IEC 61000-6-4 IEC 61000-6-2 IEC 61131-2 UL 61010-2-201 CSA C22.2 No 61010-2-201 CSA C22.2 No 213
Product certifications	CE UKCA cULus RCM KC cULus Class 1 Division 2 DNV ABS RINA BV
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 10 cycles (approx. 100 min)) 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	8.5 cm
Package 1 Width	13.5 cm
Package 1 Length	21.5 cm
Package 1 Weight	642 g
Unit Type of Package 2	S03
Number of Units in Package 2	9
Package 2 Height	30 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	6.616 kg
Unit Type of Package 3	P06
Number of Units in Package 3	72
Package 3 Height	80 cm
Package 3 Width	60 cm
Package 3 Length	80 cm
Package 3 Weight	59.98 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)	480
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Environmental Disclosure	Product Environmental Profile
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Use Better

Materials and Substances

Packaging made with recycled cardboard	No
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Packaging without single use plastic	No
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EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
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SCIP Number	715da6e9-302b-4bd3-a8b4-7f8cdd474a0e
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REACH Regulation	REACH Declaration
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China RoHS Regulation	China RoHS declaration
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Use Again

Repack and remanufacture

Circularity Profile	End of Life Information
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WEEE



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

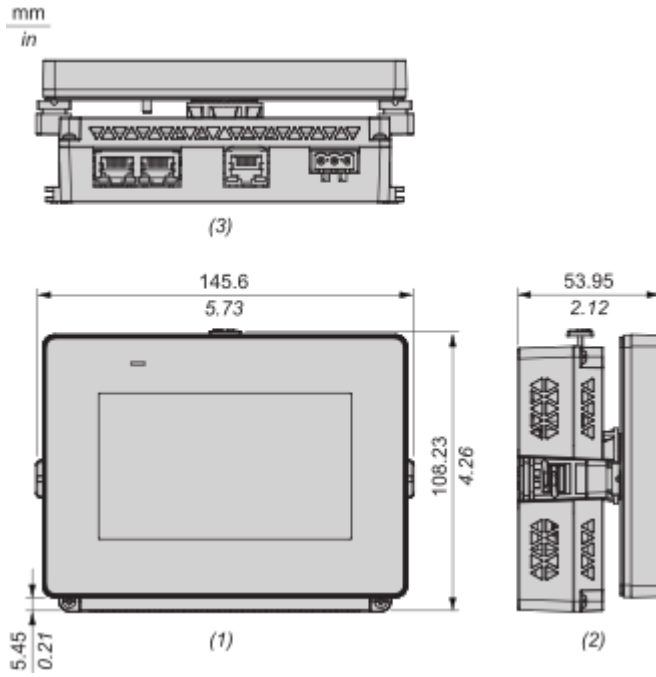
Take-back

No

Dimensions Drawings

Dimensions

Dimensions with rear module attached to display module

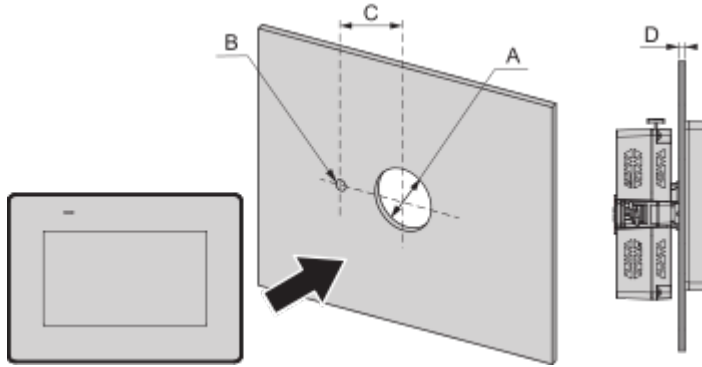


- (1) : Front
- (2) : Left
- (3) : Bottom

Mounting and Clearance

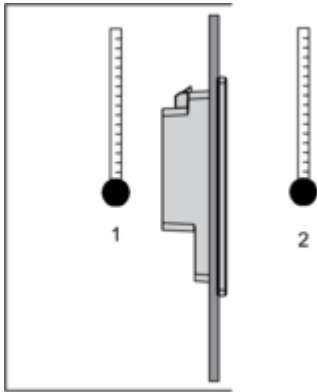
Mounting and Clearance

Panel Cut Dimensions

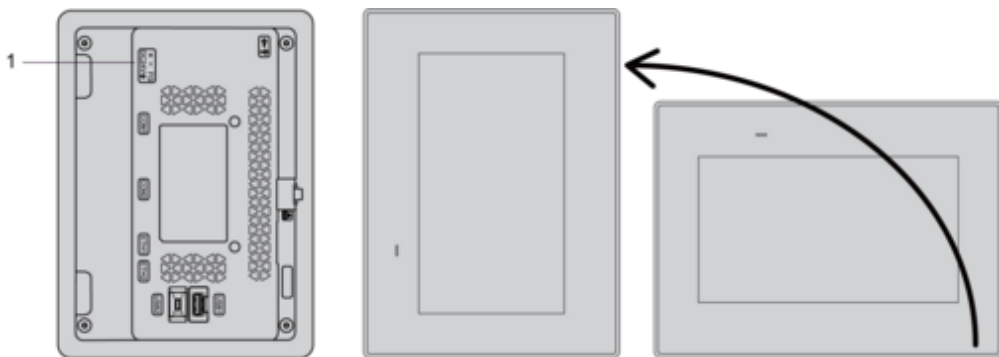


A		B		C		D (Thickness range)	
mm	in.	mm	in.	mm	in.	mm	in.
22.5 (+0/-0.3)	0.88 (+0/-0.01)	4.0 (+0/-0.2)	0.15 (+0/-0.007)	30.0 (+0/-0.2)	1.18 (+0/-0.007)	1.5...6.0 (0.06...0.23)	3.0...6.0 (0.12...0.23)

Installation Requirements

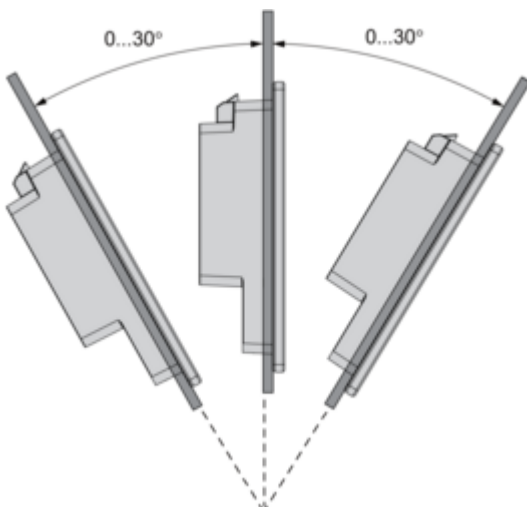


- 1 : Internal temperature
- 2 : External temperature



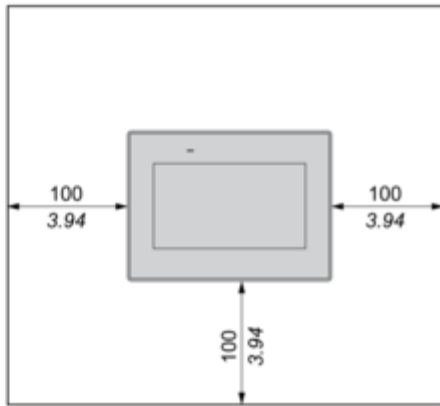
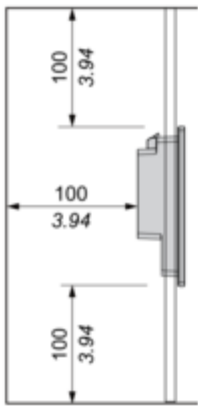
- 1 : Power connector

Mounting Angle



Clearance

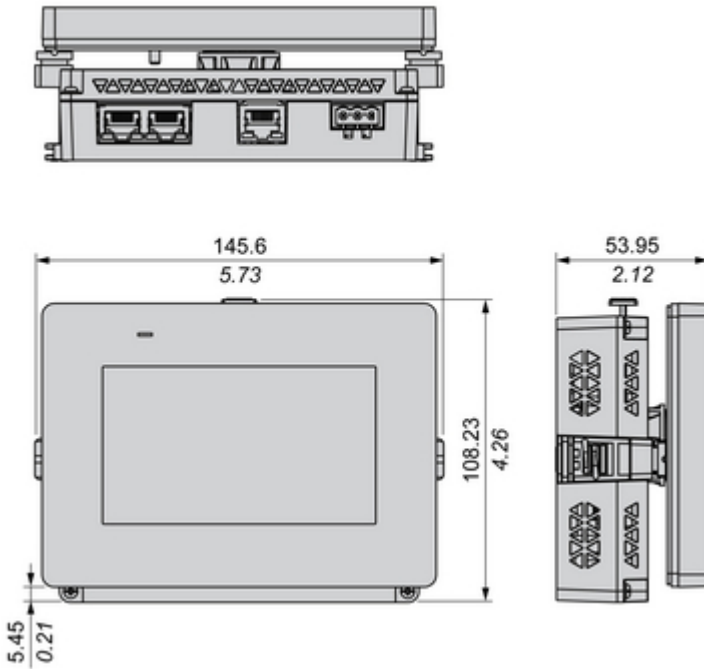
mm
in.



Technical Illustration

Dimensions

mm
in

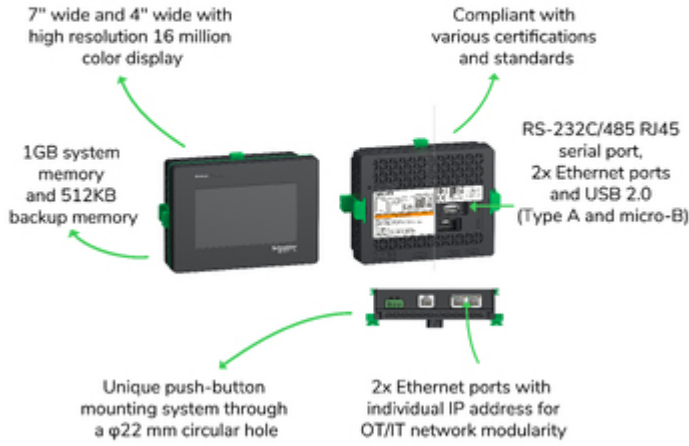


Offer Marketing Illustration

Product benefits / Features

Technical Benefits

Harmony ST6 Basic Modular HMI



Offer Marketing Illustration

Product benefits / Features

The graphic features a central image of the Harmony ST6 Basic Modular HMI device, which is a rugged industrial terminal with a large touchscreen and a physical button. It is surrounded by six circular icons, each representing a key feature. The background is a solid green color.

Features

Harmony ST6 Basic Modular HMI

- Better visualization of machine data and operation performance**
- Enable remote monitoring and remote maintenance securely by PC, tablet and smartphone**
- Fast installation and replacement**
- Cybersecurity enhancement with secure boot and encrypted transfer**
- User-friendly protocols allowing you to easily connect your OT devices to IT with OPC-UA**
- Create highly responsive screens with ease by configuration software "EcoStruxure" Operator Terminal Expert**

Image of product / Alternate images

Alternative

