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
Processor frequency	800 MHz
Memory description	512 MB device memory 512 MB user data memory 128 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) Katakana
[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)
Port Ethernet	10/100BASE
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 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/s² 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/s² (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	9.65 cm
Package 1 Width	18.29 cm
Package 1 Length	26.92 cm
Package 1 Weight	1.02 kg

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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

🌐 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)	**680**
Environmental Disclosure	**Product Environmental Profile**

Use Better

🗂 Materials and Substances

Packaging made with recycled cardboard	**No**
Packaging without single use plastic	**No**
EU RoHS Directive	**Compliant with Exemptions**
SCIP Number	**20694bec-44d9-42c3-8fdd-3861ce15e3ab**
REACh Regulation	**REACh Declaration**
China RoHS Regulation	**China RoHS declaration**

Use Again

↻ Repack and remanufacture

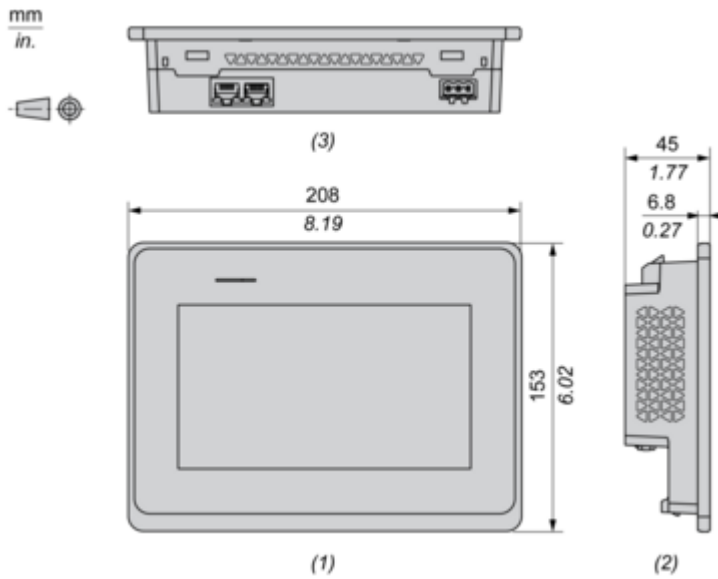|		
WEEE	🗑	**The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins**

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Take-back	No

Dimensions Drawings

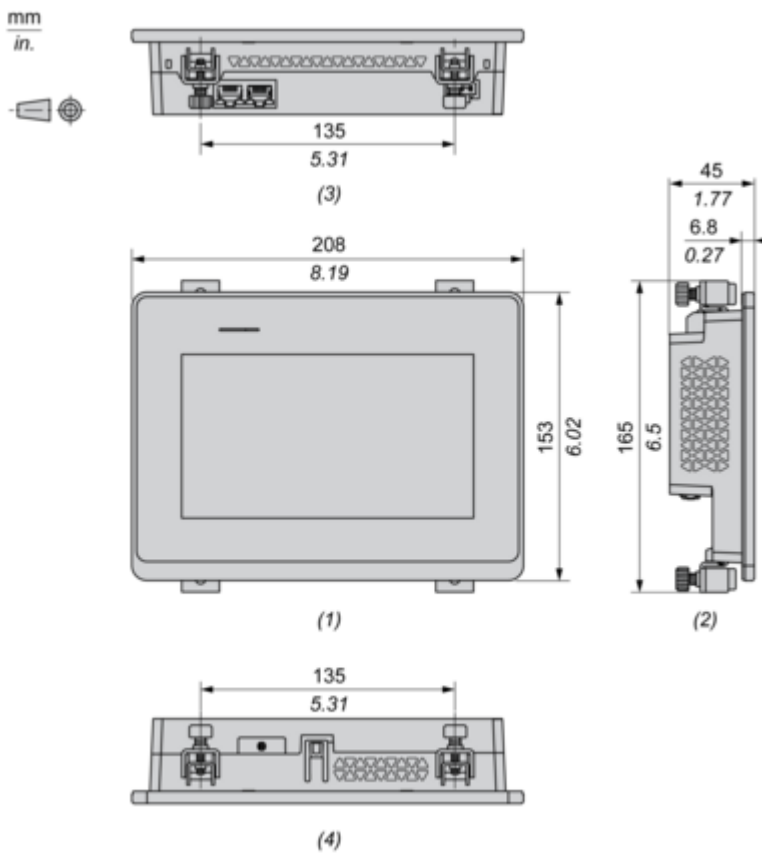## Dimensions

External Dimensions

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

Dimensions with Installation Fasteners

(1) : Front

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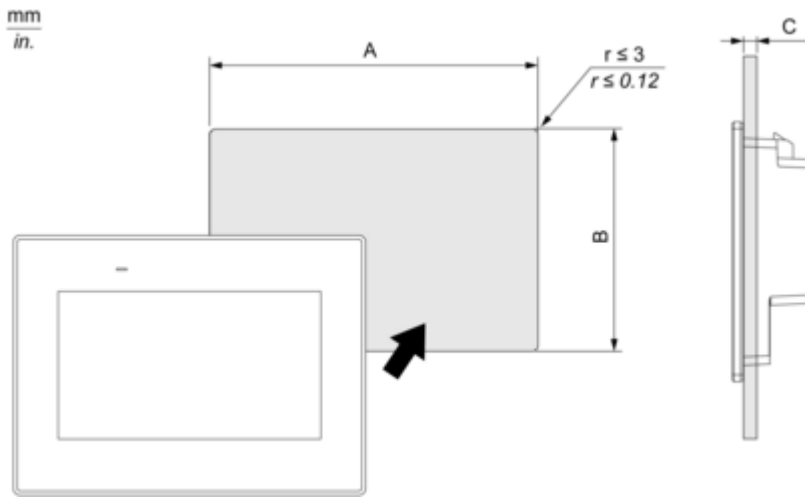**(3) :** Bottom
(4) : Top

Dimensions with Cables
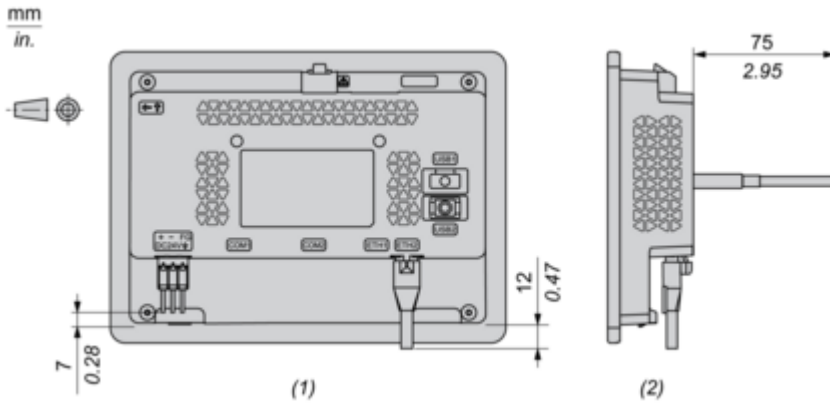
(1) : Rear
(2) : Right

Mounting and Clearance

Mounting

Panel Cut Dimensions

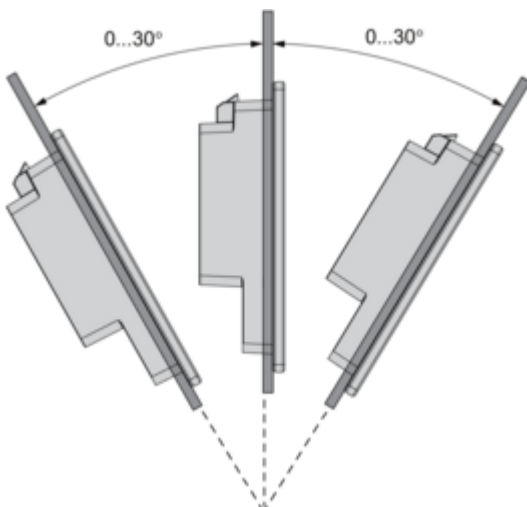| A		B		C	
mm	in.	mm	in.	mm	in.
190 (+1, -0)	7.48 (+0.04, -0)	135 (+1, -0)	5.31 (+0.04, -0)	1.6...5	0.06...0.2

Installation Requirements
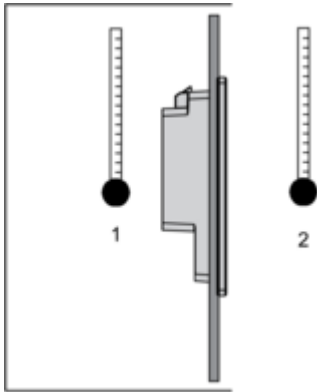
1 : Internal temperature
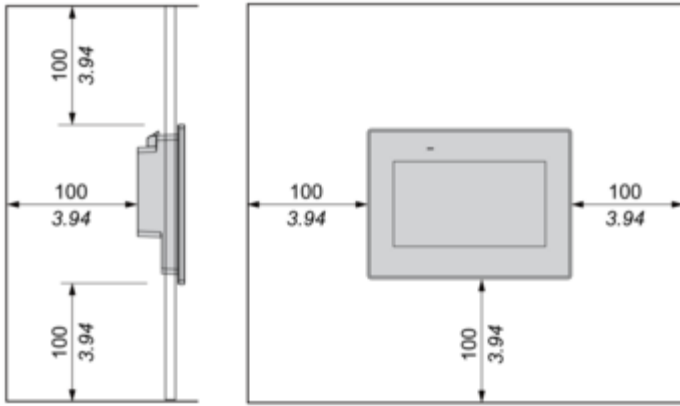**2 :** External temperature
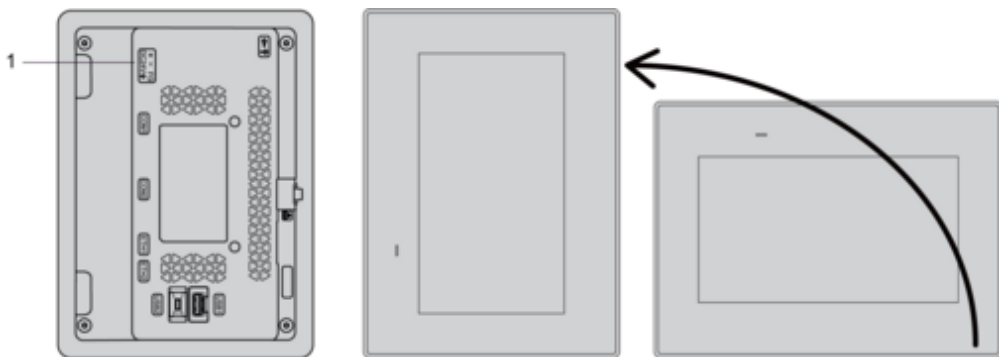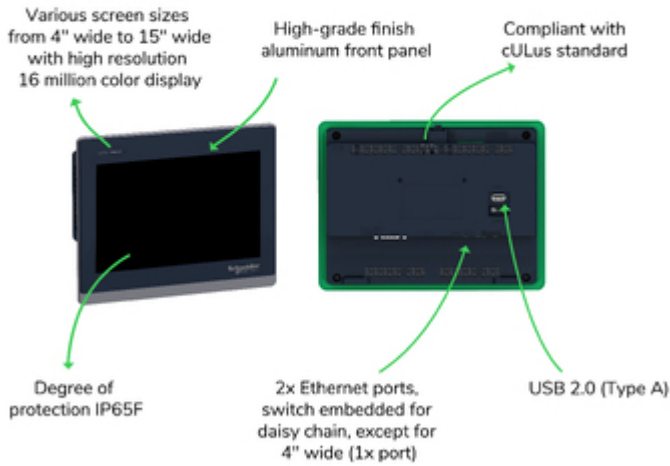

1 : Power connector

Mounting Angle

0...30° 0...30°

Clearance

09-Jan-2025

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Offer Marketing Illustration

Product benefits / Features

Technical Benefits
Harmony ST6 Web HMI

Various screen sizes
from 4" wide to 15" wide
with high resolution
16 million color display

High-grade finish
aluminum front panel

Compliant with
cULus standard

Degree of
protection IP65F

2x Ethernet ports,
switch embedded for
daisy chain, except for
4" wide (1x port)

USB 2.0 (Type A)

Offer Marketing Illustration

Product benefits / Features

Image of product / Alternate images

Alternative