HMIST6700

Touch panel screen, Harmony ST6, 15"W display, 2COM, 2Ethernet, USB host&device, 24 VDC

Green Premium™ Product

Main

Range of Product	Harmony ST6
Product or Component Type	Touch panel screen
Processor name	ARM Cortex-A8

Complementary

Display size	15 inch
Display Type	Colour TFT LCD
Display colour	16 million colours
Display Resolution	1366 x 768 pixels FWXGA
Touch panel	Single touch analogue resistive
Backlight lifespan	50000 hours 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 offline Status LED green, steady operating Status LED green, flashing operating Status LED green, faded stand-by Status LED orange, flashing software starting up Status LED red, steady power supply (ON) Status LED red, flashing operating Status LED red, off power supply (OFF)
Power consumption in W	18.5 W
Number of pages	200 application pages
Software package	EcoStruxure Operator Terminal Expert
Processor frequency	800 MHz
Port Ethernet	10/100BASE
Memory description	1 GB device memory 512 kB backup memory 128 MB user data memory
Integrated connection type	1 COM1 serial link - 1 SUB-D 9-pin female - RS232C 2400...115200 bps)bottom 1 COM2 serial link - female RJ45 - RS485 2400...115200 bps)back COM2 serial link 2400...187500 bps)back 1 USB 2.0 type Abottom 1 USB 2.0 type micro B 2 Ethernet
Supply	External supply

Jul 14, 2022

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 6 screws 1.6...5 mm thick panel UL 61010-2-201 By 6 screws EN 61131-2 By 6 screws IEC 61000-6-2
Enclosure Material	PC
Front material	Aluminium
Marking	CE
Cut-out dimensions	394 x 250 mm panel cut dimension
Height	10.55 in (268 mm)
Width	16.22 in (412 mm)
Depth	1.97 in (50 mm)
Net Weight	5.95 lb(US) (2.7 kg)

Environment

Immunity to microbreaks	10 ms
Standards	EN 61000-6-4 EN 61000-6-2 EN 61131-2 UL 61010-2-201 CSA C22.2 No 61010-2-201
Product Certifications	CSA CE
Directives	2014/35/EU - low voltage directive 2014/30/EU - electromagnetic compatibility
Ambient Air Temperature for Operation	32…122 °F (0…50 °C)
Ambient Air Temperature for Storage	-4…140 °F (-20…60 °C)
Relative humidity	10…90 % non-condensing
Operating altitude	6561.68 ft (2000 m)
IP degree of protection	IP20 IEC 61131-2 rear panel) IP65 IEC 61131-2 front panel)
NEMA degree of protection	NEMA 4 front panel (indoor use) NEMA 13 front panel (in enclosure)
Shock resistance	147 m/s² 11 ms X, Y, Z directions for 3 times)EN/IEC 61131-2
Vibration resistance	+/- 3.5 mm 5…9 Hz) X, Y, Z directions for 10 cycles (approx. 100 min) EN/IEC 61131-2 9.8 m/s² 9…150 Hz)
Electromagnetic compatibility	Electrical fast transient/burst immunity test 2 kV power ports) IEC 61000-4-4 Electrical fast transient/burst immunity test 1 kV signal ports) Electrostatic discharge immunity test 6 kV contact discharge) EN/IEC 61000-4-2 level 3 Electrostatic discharge immunity test 8 kV air discharge)

Ordering and shipping details

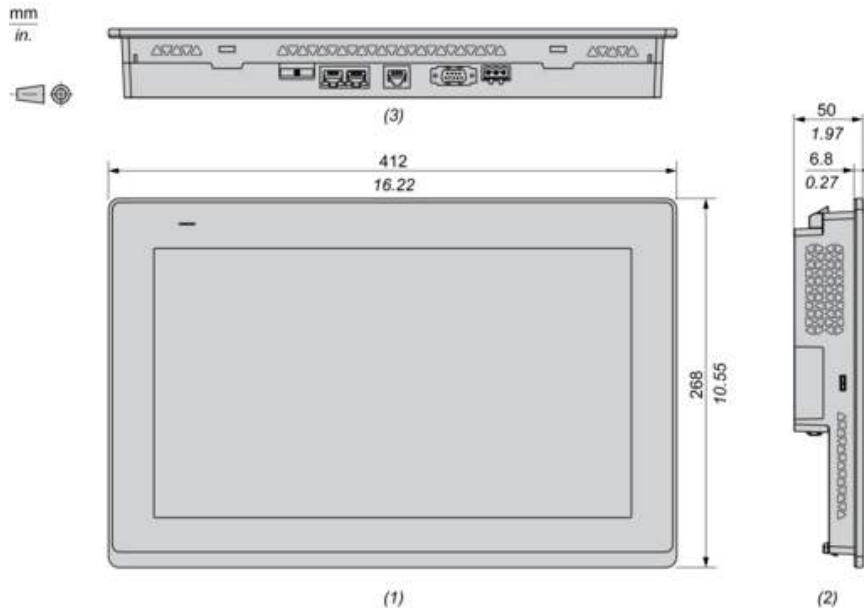|	
Category	22565-HARMONY BASIC HMI
Discount Schedule	MC2
GTIN	3606489523411
Nbr. of units in pkg.	1
Package weight(Lbs)	7.46 lb(US) (3.385 kg)
Returnability	Yes
Country of origin	US

Packing Units

Unit Type of Package 1	PCE
Package 1 Height	14.02 in (35.6 cm)
Package 1 width	4.88 in (12.4 cm)
Package 1 Length	20.20 in (51.3 cm)
Unit Type of Package 2	S04
Number of Units in Package 2	2
Package 2 Weight	17.16 lb(US) (7.785 kg)
Package 2 Height	11.81 in (30 cm)
Package 2 width	15.75 in (40 cm)
Package 2 Length	23.62 in (60 cm)
Unit Type of Package 3	P12
Number of Units in Package 3	24
Package 3 Weight	225.80 lb(US) (102.42 kg)
Package 3 Height	31.50 in (80 cm)
Package 3 width	47.24 in (120 cm)
Package 3 Length	43.31 in (110 cm)

Offer Sustainability

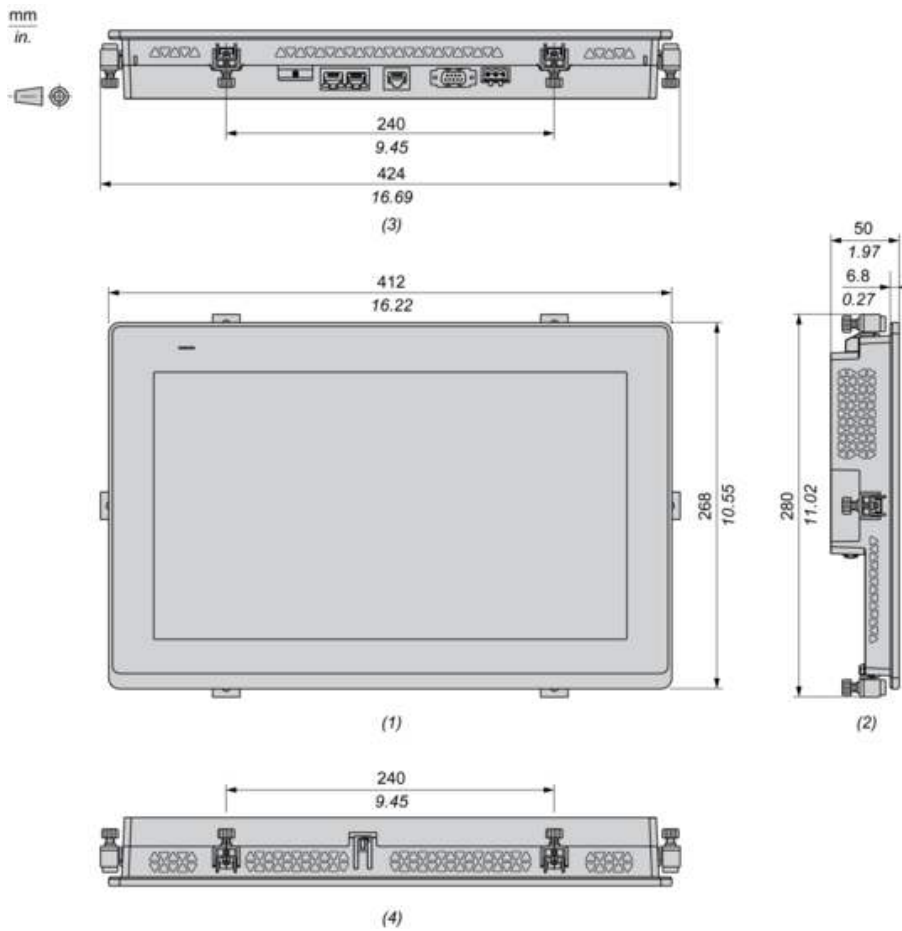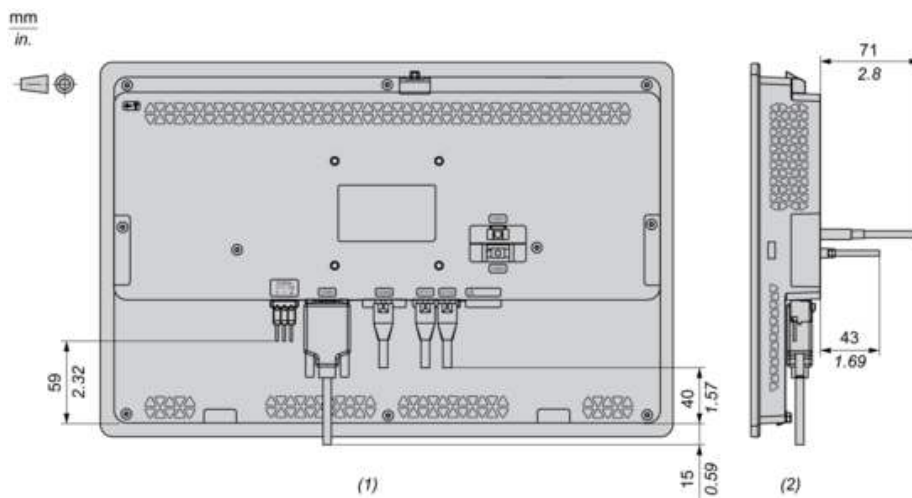|	
Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
REACh Regulation	REACh Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS Declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

Dimensions

External Dimensions

(1) : Front

(2) : Left

(3) : Bottom

Dimensions with Installation Fasteners

mm
in.

240
9.45

424
16.69

(3)

412
16.22

268
10.55

280
11.02

(1)

50
1.97

6.8
0.27

(2)

240
9.45

(4)

(1) : Front

(2) : Left

(3) : Bottom

(4) : Top

Dimensions with Cables

mm
in.

71
2.8

59
2.32

40
1.57

15
0.59

43
1.69

(1)

(2)

(1) : Rear

(2) : Right

Mounting

Panel Cut Dimensions
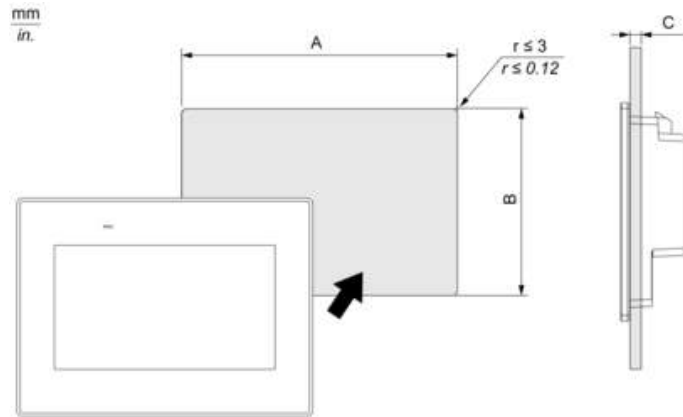
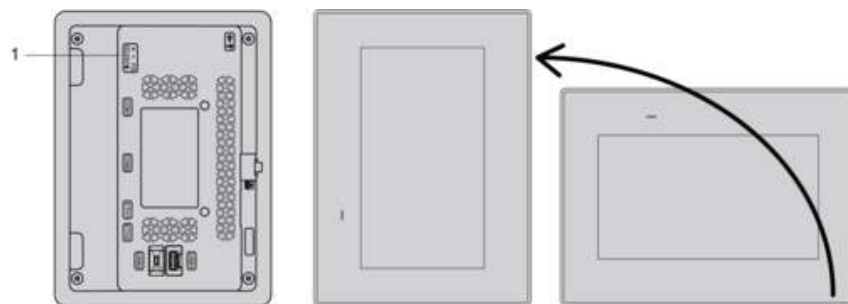| A		B		C	
mm	in.	mm	in.	mm	in.
394 (+1, -0)	15.51 (+0.04, -0)	250 (+1, -0)	9.84 (+0.04, -0)	1.6...5	0.06...0.2

Installation Requirements
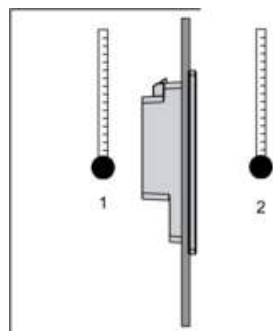
1 : Internal temperature

2 : External temperature

1 : Power connector

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Mounting Angle

Clearance