Product data sheet Characteristics

HMISTW6400

Touch panel screen, Harmony ST6, 7"W display, 2Ethernet, USB host&device, 24 VDC





Main

Range of Product	Harmony ST6
Product or Component Type	Touch panel screen
Software Designation	Web interface for operator
Processor name	ARM Cortex-A8

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 white			
Brightness	16 levels			
Character font	ASCII ASCII (European characters) Katakana			
[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	9 W			
Power consumption in W Processor frequency				
·	9 W			
Processor frequency	9 W 800 MHz			
Processor frequency Port Ethernet	9 W 800 MHz 10/100BASE 512 MB device memory 512 MB user data memory			
Processor frequency Port Ethernet Memory description	9 W 800 MHz 10/100BASE 512 MB device memory 512 MB user data memory 128 kB backup memory 1 USB 2.0 type Aback 1 USB 2.0 type micro Bback			
Processor frequency Port Ethernet Memory description Integrated connection type	9 W 800 MHz 10/100BASE 512 MB device memory 512 MB user data memory 128 kB backup memory 1 USB 2.0 type Aback 1 USB 2.0 type micro Bback 2 Ethernet - female RJ45bottom			
Processor frequency Port Ethernet Memory description Integrated connection type Supply	9 W 800 MHz 10/100BASE 512 MB device memory 512 MB user data memory 128 kB backup memory 1 USB 2.0 type Aback 1 USB 2.0 type micro Bback 2 Ethernet - female RJ45bottom External supply Built-in 050 °C			
Processor frequency Port Ethernet Memory description Integrated connection type Supply Realtime clock	9 W 800 MHz 10/100BASE 512 MB device memory 512 MB user data memory 128 kB backup memory 1 USB 2.0 type Aback 1 USB 2.0 type micro Bback 2 Ethernet - female RJ45bottom External supply Built-in 050 °C Built-in 1090 % RH By 4 screws 1.65 mm thick panel UL 61010-2-201 By 4 screws EN 61131-2			
Processor frequency Port Ethernet Memory description Integrated connection type Supply Realtime clock Fixing mode	9 W 800 MHz 10/100BASE 512 MB device memory 512 MB user data memory 128 kB backup memory 1 USB 2.0 type Aback 1 USB 2.0 type micro Bback 2 Ethernet - female RJ45bottom External supply Built-in 050 °C Built-in 1090 % RH By 4 screws 1.65 mm thick panel UL 61010-2-201 By 4 screws EN 61131-2 By 4 screws IEC 61000-6-2			
Processor frequency Port Ethernet Memory description Integrated connection type Supply Realtime clock Fixing mode Enclosure Material	9 W 800 MHz 10/100BASE 512 MB device memory 512 MB user data memory 128 kB backup memory 1 USB 2.0 type Aback 1 USB 2.0 type micro Bback 2 Ethernet - female RJ45bottom External supply Built-in 050 °C Built-in 1090 % RH By 4 screws 1.65 mm thick panel UL 61010-2-201 By 4 screws EN 61131-2 By 4 screws IEC 61000-6-2 PC			

Height	6.02 in (153 mm)
Width	8.19 in (208 mm)
Depth	1.77 in (45 mm)
Net Weight	1.76 lb(US) (0.8 kg)

Environment

Immunity to microbreaks	5 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	32122 °F (050 °C)			
Ambient Air Temperature for Storage	-4140 °F (-2060 °C)			
Relative humidity	1090 % 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 59 Hz) X, Y, Z directions for 10 cycles (approx. 100 min) EN/IEC 61131-2 9.8 m/s² 9150 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

0 11 0			
Category	22565-HARMONY BASIC HMI		
Discount Schedule	MC2		
GTIN	3606489918088		
Nbr. of units in pkg.	1		
Package weight(Lbs)	35.17 oz (997.0 g)		
Returnability	No		
Country of origin	US		

Packing Units

racking offics				
Unit Type of Package 1	PCE			
Package 1 Height	3.54 in (9 cm)			
Package 1 width	10.55 in (26.8 cm)			
Package 1 Length	6.97 in (17.7 cm)			
Unit Type of Package 2	P12			
Number of Units in Package 2	144			
Package 2 Weight	329.81 lb(US) (149.6 kg)			
Package 2 Height	43.31 in (110 cm)			
Package 2 width	31.50 in (80 cm)			
Package 2 Length	47.24 in (120 cm)			
Unit Type of Package 3	S03			
Number of Units in Package 3	6			
Package 3 Weight	17.42 lb(US) (7.9 kg)			
Package 3 Height	11.81 in (30 cm)			
Package 3 width	11.81 in (30 cm)			
Package 3 Length 15.75 in (40 cm)				

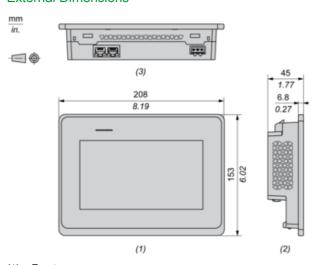
Offer Sustainability

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	Compliant EEU 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			
The product must be disposed on European Union markets follow waste collection and never end up in rubbish bins.				

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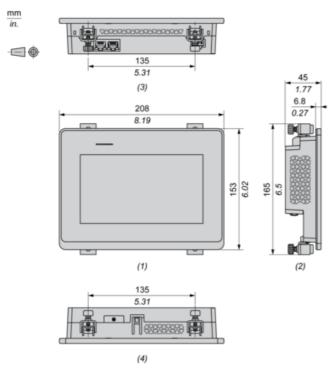
Dimensions

External Dimensions



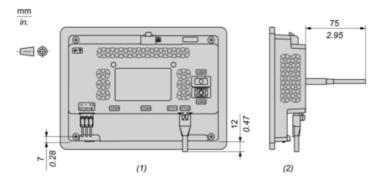
(1): Front(2): Left(3): Bottom

Dimensions with Installation Fasteners



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

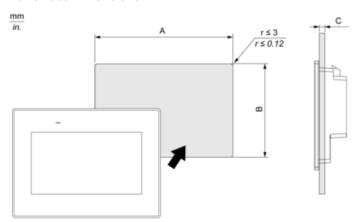
Dimensions with Cables



(1): Rear (2): Right

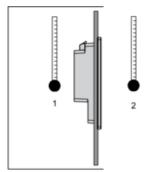
Mounting

Panel Cut Dimensions

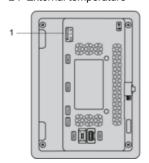


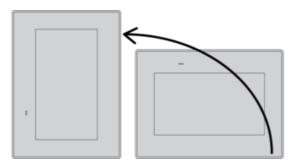
A		В		С	
mm in.		mm	in.	mm	in.
190 (+1, -0)	7.48 (+0.04, -0)	135 (+1, -0)	5.31 (+0.04, -0)	1.65	0.060.2

Installation Requirements



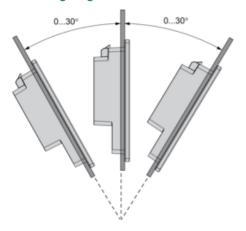
- 1 : Internal temperature
- 2 : External temperature





1: Power connector

Mounting Angle



Clearance

