

touch panel screen, Harmony ST6, 15inch wide display, 2COM, 2Ethernet, USB host and device, 24V DC

HMIST6700

## 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 512 KB backup memory		
	128 MB user data memory		

# 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 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	18.5 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, fladed 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 - 1 SUB-D 9-pin female - RS232C (rate: 2400115200 bps)bottom 1 COM2 serial link (rate: 2400187500 bps)back COM2 serial link (rate: 2400187500 bps)back 1 USB 2.0 type Abottom 1 USB 2.0 type Motorm 1 USB 2.0 type micro B 2 Ethernet  Supply  External supply  Realtime clock  Built-in 050 °C Built-in 1090 % 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, mounting on 1.65 mm thick panel conforming to UL 61010-2-20 By 6 screws conforming to IEC 61131-2 By 6 screws conforming to IEC 61000-6-2  Enclosure material  PC  Front material  Aluminium  Marking  CE  Cut-out dimensions  394 x 250 mm panel cut dimension  Height  268 mm  Width  412 mm  Depth  50 mm  Product weight  7 rue					
Realtime clock  Built-in 050 °C Built-in 1090 % 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, mounting on 1.65 mm thick panel conforming to UL 61010-2-20 By 6 screws conforming to IEC 61131-2 By 6 screws conforming to IEC 61000-6-2  Enclosure material  PC  Front material  Aluminium  Marking  CE  Cut-out dimensions  394 x 250 mm panel cut dimension  Height  268 mm  Width  412 mm  Product weight  2.7 kg	Integrated connection type	bps)bottom 1 COM2 serial link - female RJ45 - RS485 (rate: 2400115200 bps)back COM2 serial link (rate: 2400187500 bps)back 1 USB 2.0 type Abottom 1 USB 2.0 type micro B			
Built-in 1090 % 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, mounting on 1.65 mm thick panel conforming to UL 61010-2-20 By 6 screws conforming to IEC 61131-2 By 6 screws conforming to IEC 61000-6-2  Enclosure material  PC  Front material  Aluminium  Marking  CE  Cut-out dimensions  394 x 250 mm panel cut dimension  Height  268 mm  Width  412 mm  Product weight  2.7 kg	Supply	External supply			
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, mounting on 1.65 mm thick panel conforming to UL 61010-2-20 By 6 screws conforming to IEC 61131-2 By 6 screws conforming to IEC 61000-6-2  Enclosure material  PC  Front material  Aluminium  Marking  CE  Cut-out dimensions  394 x 250 mm panel cut dimension  Height  268 mm  Width  412 mm  Depth  50 mm  Product weight  2.7 kg	Realtime clock				
Mitsubishi Melsec Omron Sysmac Rockwell Automation Allen-Bradley Siemens Simatic  By 6 screws, mounting on 1.65 mm thick panel conforming to UL 61010-2-20 By 6 screws conforming to IEC 61131-2 By 6 screws conforming to IEC 61000-6-2  Enclosure material PC Front material Aluminium  Marking CE  Cut-out dimensions 394 x 250 mm panel cut dimension  Height 268 mm  Width 412 mm  Depth 50 mm  Product weight 2.7 kg	Downloadable protocols	Uni-TE			
By 6 screws conforming to IEC 61131-2 By 6 screws conforming to IEC 61000-6-2  Enclosure material PC  Front material Aluminium  Marking CE  Cut-out dimensions 394 x 250 mm panel cut dimension  Height 268 mm  Width 412 mm  Depth 50 mm  Product weight 2.7 kg	Product brand	Mitsubishi Melsec Omron Sysmac Rockwell Automation Allen-Bradley			
Front material Aluminium  Marking CE  Cut-out dimensions 394 x 250 mm panel cut dimension  Height 268 mm  Width 412 mm  Depth 50 mm  Product weight 2.7 kg	Fixing mode	· ·			
Marking CE  Cut-out dimensions 394 x 250 mm panel cut dimension  Height 268 mm  Width 412 mm  Depth 50 mm  Product weight 2.7 kg	Enclosure material	PC			
Cut-out dimensions         394 x 250 mm panel cut dimension           Height         268 mm           Width         412 mm           Depth         50 mm           Product weight         2.7 kg	Front material	Aluminium			
Height 268 mm  Width 412 mm  Depth 50 mm  Product weight 2.7 kg	Marking	CE			
Width         412 mm           Depth         50 mm           Product weight         2.7 kg	Cut-out dimensions	394 x 250 mm panel cut dimension			
Depth 50 mm  Product weight 2.7 kg	Height	268 mm			
Product weight 2.7 kg	Width	412 mm			
	Depth	50 mm			
With Schneider Logo True	Product weight	2.7 kg			
	With Schneider Logo	True			

# **Environment**

Immunity to microbreaks	10 ms		
Standards	IEC 61000-6-4		
	IEC 61000-6-2		
	IEC 61131-2		
	UL 61010-2-201		
	CSA C22.2 No 61010-2-201		
	C3A G22.2 NO 01010-2-201		
Product certifications	CSA		
	CE		
	UKCA		
Directives	2014/35/EU - low voltage directive		
	2014/30/EU - electromagnetic compatibility		
Anabiant sintanan antona fan			
Ambient air temperature for operation	050 °C		
·			
Ambient air temperature for	-2060 °C		
storage			
Relative humidity	1090 % non-condensing		
Operating altitude	2000 m		
Operating altitude	2000 m		
IP degree of protection	IP20 (rear panel) conforming to IEC 61131-2		
	IP65 (front panel) conforming to IEC 61131-2		
	ii do (iidiic pandi) domaniing to 120 of 101 2		
NEMA degree of protection	NEMA 4 front panel (indoor use)		
	NEMA 13 front panel (in enclosure)		
Shock resistance	147 m/s <sup>2</sup> for 11 ms (X, Y, Z directions for 3 times) conforming to IEC 61131-2		
	<b>(</b> , , , , , , , , , , , , , , , , , , ,		

Vibration resistance	+/- 3.5 mm (f = 59 Hz) X, Y, Z directions for 10 cycles (approx. 100 min) conforming to IEC 61131-2 9.8 m/s $^2$ (f = 9150 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	13.000 cm
Package 1 Width	36.000 cm
Package 1 Length	53.000 cm
Package 1 Weight	3.375 kg
Unit Type of Package 2	P06
Number of Units in Package 2	8
Package 2 Height	75.000 cm
Package 2 Width	60.000 cm
Package 2 Length	80.000 cm
Package 2 Weight	38.000 kg



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.

#### Environmental Data explained >

How we assess product sustainability >

∇ Environmental footprint	
Total lifecycle Carbon footprint	1479
Environmental Disclosure	Product Environmental Profile

#### **Use Better**

F-gas free	Only air and vacuum used for insulation / breaking, no F-gas including SF6
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
SCIP Number	20694bec-44d9-42c3-8fdd-3861ce15e3ab
REACh Regulation	REACh Declaration
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
Halogen-free status	Product contains halogen above thresholds
PVC free	No
Silicone-free	No

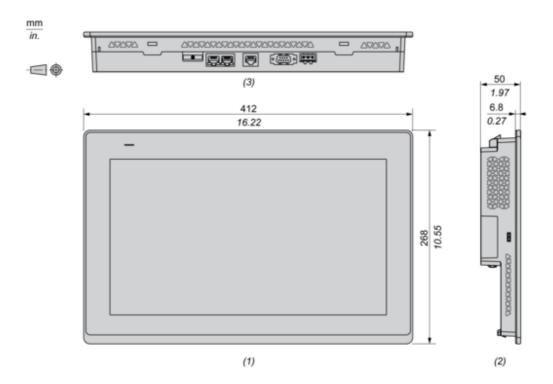
#### **Use Again**

○ Repack and remanufacture	
End of life manual availability	End of Life Information
Removable battery	User replaceable
Take-back	No
WEEE Label	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

### **Dimensions Drawings**

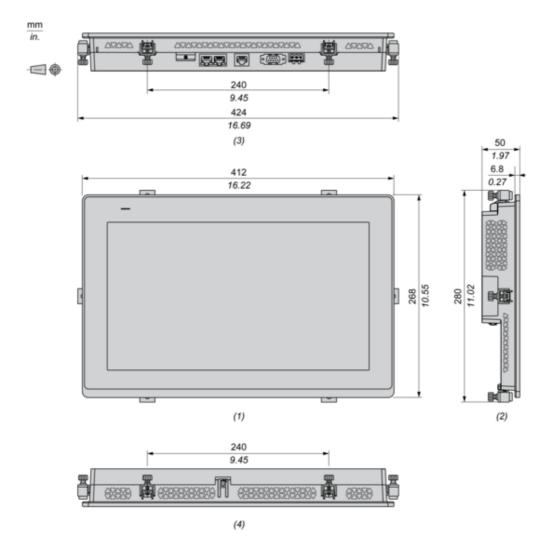
### **Dimensions**

#### **External Dimensions**



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

**Dimensions with Installation Fasteners** 

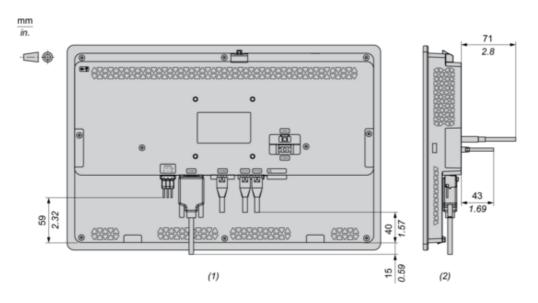


(1) : Front

(2) : Left (3) : Bottom

(4) : Top

#### **Dimensions with Cables**



(1) : Rear

(2) : Right

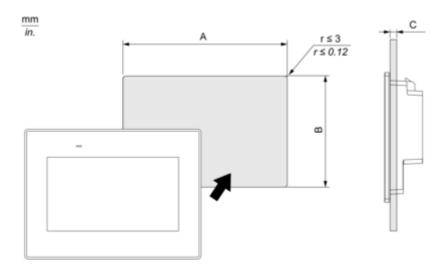
Product data sheet

**HMIST6700** 

Mounting and Clearance

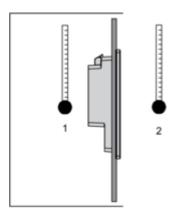
## Mounting

#### **Panel Cut Dimensions**

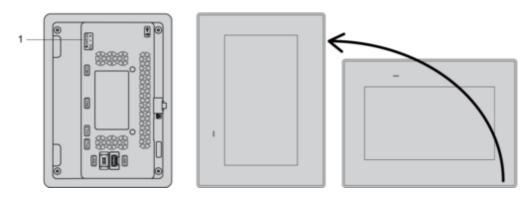


Α		В		С	
mm	in.	mm	in.	mm	in.
394 (+1, -0)	15.51 (+0.04, -0)	250 (+1, -0)	9.84 (+0.04, -0)	1.65	0.060.2

## **Installation Requirements**

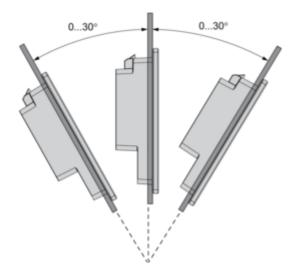


- 1 : Internal temperature
- 2 : External temperature



1 : Power connector

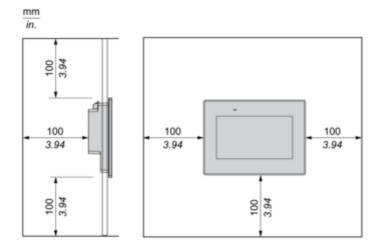
## **Mounting Angle**



#### Clearance

# Product data sheet

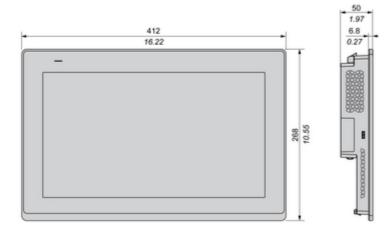
# **HMIST6700**



**Technical Illustration** 

## **Dimensions**



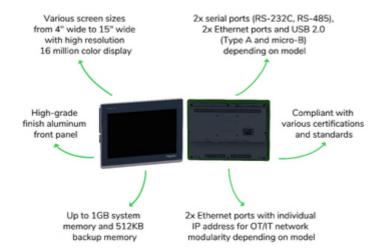


Offer Marketing Illustration

#### **Product benefits / Features**

# **Technical Benefits**

## Harmony ST6 Basic HMI



Aug 30, 2025

Offer Marketing Illustration

#### Product benefits / Features



Image of product / Alternate images

#### **Alternative**

