

Product data sheet

Specifications



22w Industrial FPM, Harmony FP6,
Full HD, 16M colors, PCAP Multi
Touch (2 points) with optimized
noise filter, DVI, USB Type B, 24V
DC

HMIFP6900WCD

Main

Range of product	Harmony FP6
Product or component type	Touch panel screen

Complementary

Display size	21.5 inch
Aspect ratio	16:9
Display resolution	1920 x 1080 pixels full HD
Display colour	16 million colours
Pixel resolution	1920 x 1080
Backlight lifespan	50000 hours at 77 °F (25 °C)
[Us] rated supply voltage	24 V DC
Integrated connection type	DVI-D video port USB type B USB 2.0
Inrush current	30 A
Power consumption in W	31.8 W
Type of cooling	Natural
Device mounting	Panel mounting Direct mounting VESA
Display type	LED
Touch panel	Multi-touch projected capacitive technology (PCT)
Cut-out dimensions	518.5 (+ 1/- 0) x 316.5 (+ 1/- 0) mm
Width	21.0 in (532.6 mm)
Depth	2.7 in (69.5 mm)
Height	13.02 in (330.6 mm)
Net weight	17.6 lb(US) (8.0 kg)

Environment

IP degree of protection	IP66f IP67f Type 1 Type 4X Type 12 Type 13
Ambient air temperature for operation	32...131 °F (0...55 °C)

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Pollution degree	2
Vibration resistance	1 gn 5...9 Hz) - single amplitude - IEC 61131-2 1 gn 9...150 Hz) - fixed amplitude - IEC 61131-2 1 gn - X, Y, Z directions for 10 cycles (approx. 100 min) - IEC 61131-2
Standards	CE FCC part 15 UL 61010-2-201 CSA C22.2 No 61010-2-201
Product certifications	RCM KC UKCA DNV (except 22" wide display) ATEX zone 2 ATEX zone 22 dust CULus Class 1 Division 2 IECEEx zone 2 (DC model, front USB cover must be locked with screw) IECEEx zone 22 (DC model, front USB cover must be locked with screw)
Ambient air temperature for storage	-4...140 °F (-20...60 °C)
Operating altitude	2000 m
Shock resistance	147 m/s² IEC 61131-2 147 m/s² 3 shocks in each direction X, Y and Z
Electromagnetic compatibility	Electrostatic discharge immunity test 6 kV contact discharge IEC 61000-4-2 level 3 Electrostatic discharge immunity test 8 kV air discharge IEC 61000-4-2 level 3 Electrical fast transient/burst immunity test 2 kV power ports IEC 61000-4-4 Electrical fast transient/burst immunity test 1 kV signal ports IEC 61000-4-4

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	5.9 in (15 cm)
Package 1 Width	21.7 in (55 cm)
Package 1 Length	32.3 in (82 cm)
Package 1 Weight	17.31 lb(US) (7.85 kg)

Contractual warranty

Warranty (in months)	18
----------------------	----



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.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)



Environmental footprint

Total lifecycle Carbon footprint	1 887 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	485 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	1 kg CO2 eq.
Carbon footprint of the installation phase [A5]	2 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	1 391 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	9 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile

Use Better



Materials and Substances

F-gas usage performance	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
SCIP Number	3e485f57-089b-461f-87ef-eb75768c4245
Halogen content performance	Product contains halogen above thresholds
PVC free	No
Silicon free	No

Use Longer



Lifetime extension

Repair	No
--------	----

Use Again



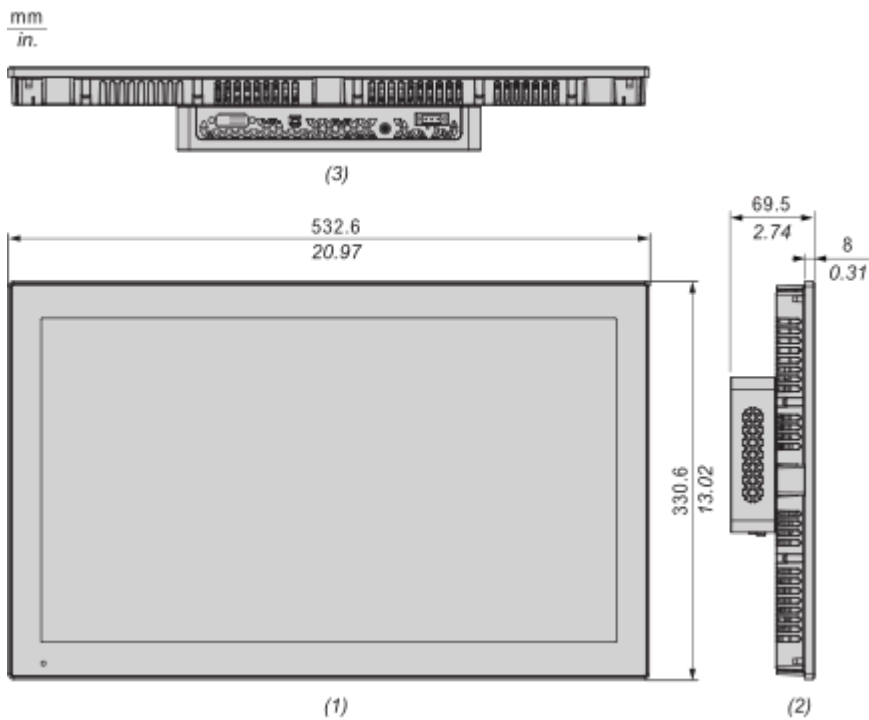
Repack and remanufacture

Recyclability potential, in %	55
Circularity Profile	End of Life Information
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

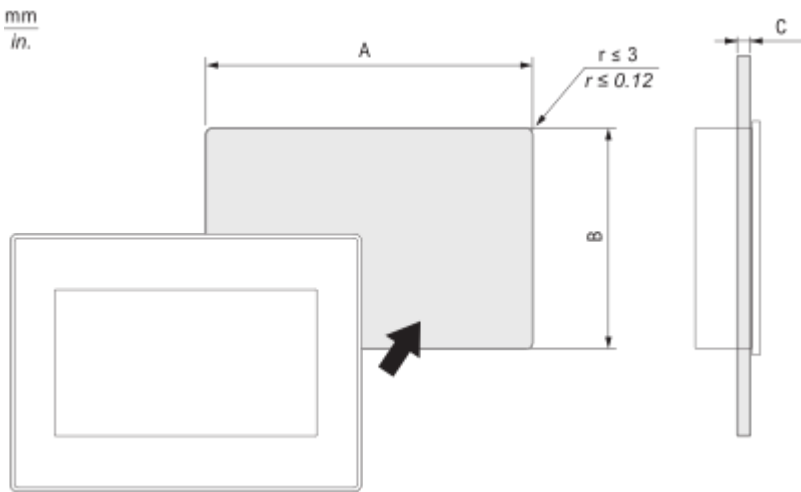


- (1): Front
- (2): Left
- (3): Bottom

Connections and Schema

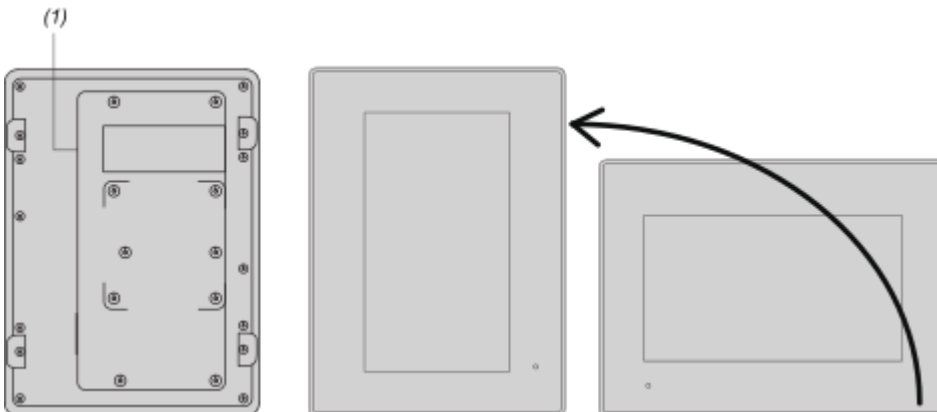
Mounting

Panel Cut Dimension



A		B		C	
mm	in.	mm	in.	mm	in.
518.5 (+1, -0)	20.41 (+0.04, -0)	316.5 (+1, -0)	12.46 (+0.04, -0)	1.6...5	0.06...0.2

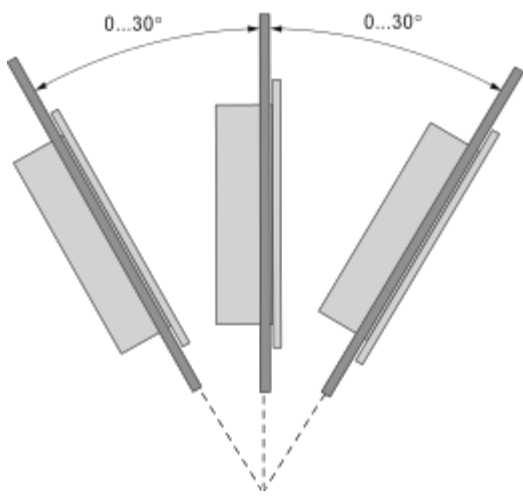
Mounting Orientation



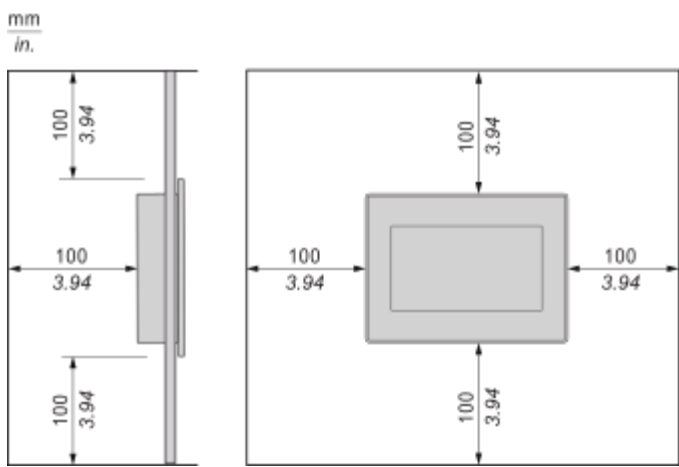
(1): Power connector

Note: For portrait orientation mounting, make sure the screen editing software supports the function.

Mounting Angle



Clearance



Technical Illustration

Dimensions

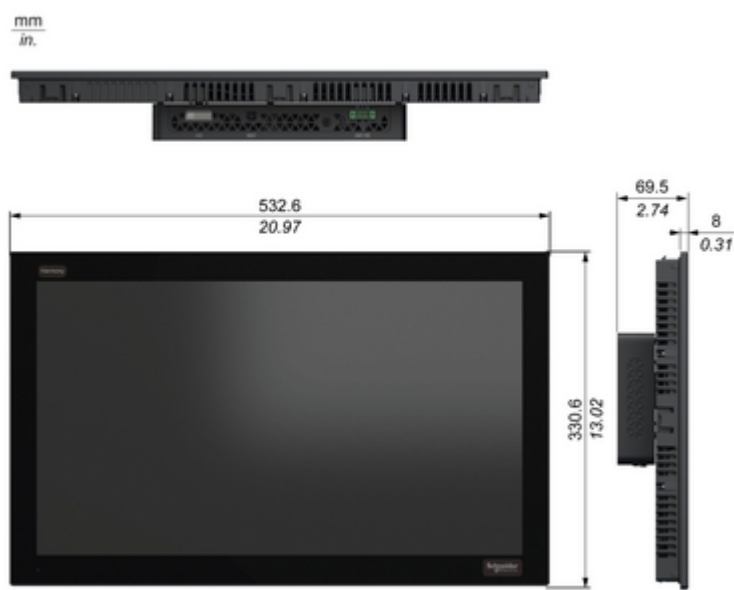


Image of product / Alternate images

Alternative







