

Product data sheet

Specifications



Flat screen, Harmony Modular iPC, Display PC 4:3 12" single touch for HMIBM

HMIDM6421

⚠ To be discontinued

⚠ Discontinued on: Apr 30, 2025

⚠ To be end-of-service on: Apr 30, 2029

Product availability: Stock - Normally stocked in distribution facility

Main

Range of Product	Harmony iPC
Terminal type	Touchscreen display
Product or Component Type	Flat screen

Complementary

View angle horizontal x vertical	140 x 115°
Contrast Ratio	500:1
Touchscreen resolution	2048 x 2048
Display resolution	1024 x 768 pixels XGA
Display type	LED Colour TFT LCD
Luminance	27.9 fc (300 cd/m²)
Touch panel	Single touch analogue resistive
Function Available	Operate with water on screen
Product Compatibility	Modular Box PC
Display size	12.1 inch
Aspect ratio	4:3
[Us] rated supply voltage	24 V DC power supply 100...240 V AC power supply
Supply voltage limits	18...36 V
Display colour	16777216 colors
Local signalling	Status LED
Inrush current	8.9 A
Device mounting	Flush
Width	12.6 in (319.1 mm)
Height	9.6 in (245.1 mm)
Product Weight	5.07 lb(US) (2.3 kg)

Environment

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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

Standards	Class I division 2 CSA C22.2 No 213 CSA C22.2 No 142 UL 6110-2-201 Class I division 2 ANSI/ISA 12-12-01
Pollution degree	2
Operating altitude	6561.68 ft (2000 m)
Product certifications	CE C-tick IEC-Ex EAC
NEMA degree of protection	NEMA 4X
Ambient air temperature for operation	32...131 °F (0...55 °C)

Ordering and shipping details

Category	US10MC222574
Discount Schedule	0MC2
GTIN	3606481245533
Returnability	No
Country of origin	ID

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	10.24 in (26.000 cm)
Package 1 Width	17.72 in (45.000 cm)
Package 1 Length	18.90 in (48.000 cm)
Package 1 Weight	9.370 lb(US) (4.250 kg)
Unit Type of Package 2	P12
Number of Units in Package 2	6
Package 2 Height	29.53 in (75.000 cm)
Package 2 Width	31.50 in (80.000 cm)
Package 2 Length	47.24 in (120.000 cm)
Package 2 Weight	85.980 lb(US) (39.000 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.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

Environmental footprint	
Carbon footprint (kg CO2 eq, Total Life cycle)	385
Environmental Disclosure	Product Environmental Profile

Use Better

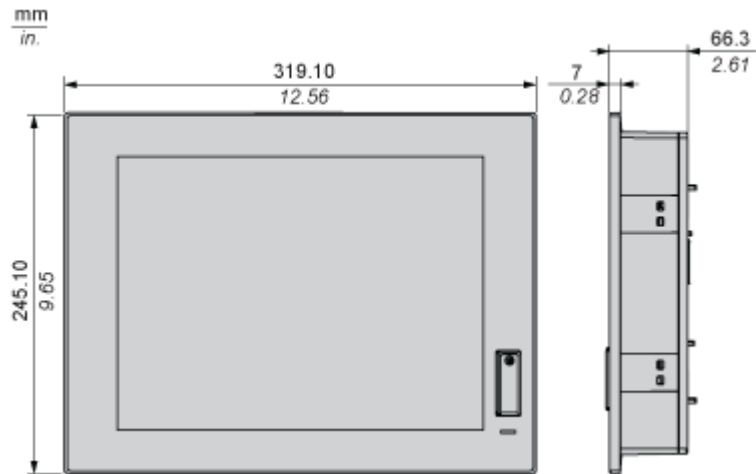
Materials and Substances	
F-gas usage performance	Only air and vacuum used for insulation / breaking, no F-gas including SF6
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
REACH Regulation	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

Use Again

Repack and remanufacture	
Circularity Profile	End of Life Information
Take-back	No
WEEE	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

Dimensions Drawings

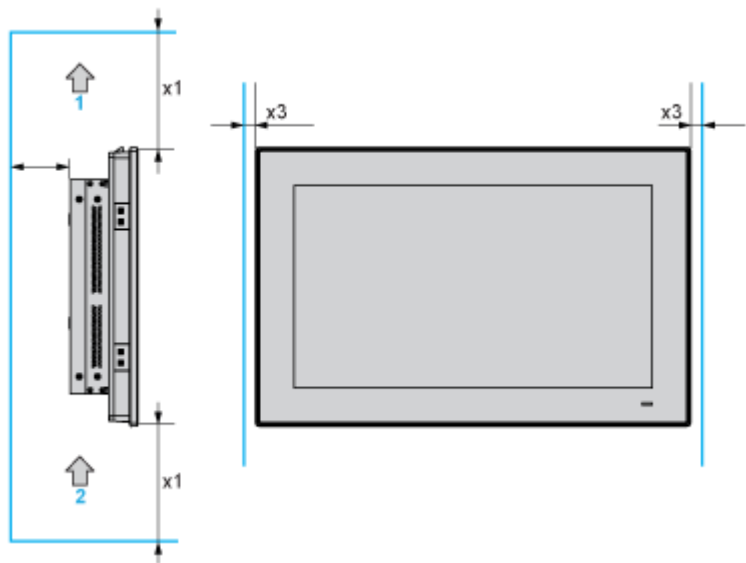
Display Dimensions



Mounting and Clearance

Spacing requirements - Mounted with Display adaptor HMIDAD

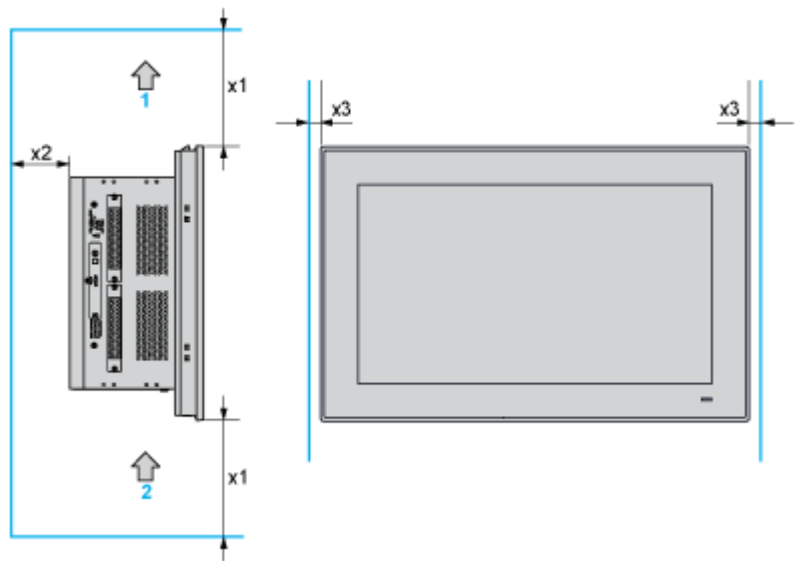
In order to provide sufficient air circulation, mount the Display Adapter so that the spacing above, below and on the sides of the unit is as follows:



- 1 : Air out
- 2 : Air in
- x1 > 100 mm (3.93 in)
- x2 > 50 mm (1.96 in)
- x3 > 15 mm (0.59 in)

Spacing Requirements - Mounted with Modular Box PC HMIBM

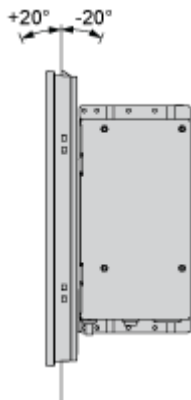
In order to provide sufficient air circulation, mount the display so that the spacing above, below and on the sides of the unit is as follows:



- 1 : Air out
- 2 : Air in
- x1 > 100 mm (3.93 in)
- x2 > 50 mm (1.96 in)
- x3 > 15 mm (0.59 in)

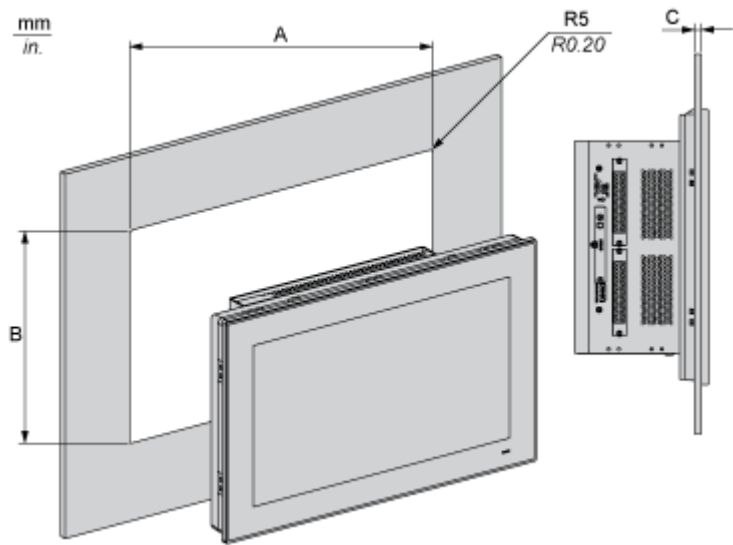
Mounting Orientation

The following figure shows the allowed mounting orientation for the display:



Panel Cut Dimensions

For cabinet installation, you need to cut the correctly sized opening in the installation panel according to the model of display.



A		B		C		R	
mm	in.	mm	in.	mm	in.	mm	in.
301.5	11.87	227.5	8.85	2...4	0.08...0.16	5	0.20