

Product data sheet

Specifications



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

HMIDM6421

⚠ To be discontinued

⚠ To be discontinued on: Apr 30, 2025

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

Product availability: Stock - Normally stocked in distribution facility

Price*: 1,188.00 USD

Main

Range of Product	Harmony iPC
Product or Component Type	Flat screen
Terminal type	Touchscreen display
Device mounting	Flush
Product Compatibility	Modular Box PC

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 size	12.1 inch
Aspect ratio	4:3
Display type	LED Colour TFT LCD
Display colour	16777216 colors
Luminance	27.9 fc (300 cd/m²)
Backlight lifespan	50000 hours 77 °F (25 °C)
Touch panel	Single touch analogue resistive
Integrated connection type	USB 2.0 type A
Function Available	Operate with water on screen
[Us] rated supply voltage	24 V DC power supply 100...240 V AC power supply
Supply voltage limits	18...36 V
Inrush current	8.9 A
Power consumption in W	57.87 W Box PC HMIBMP) 52.87 W Box PC HMIBMU)
Local signalling	Status LED

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

Depth	Enclosure : 2.6 in (66.3 mm) 0.3 in (7 mm)
Height	9.6 in (245.1 mm)
Width	12.6 in (319.1 mm)
Net Weight	5.07 lb(US) (2.3 kg)

Environment

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
Product certifications	CE C-tick IEC-Ex EAC
IP degree of protection	IP66
NEMA degree of protection	NEMA 4X
Pollution degree	2
Ambient air temperature for storage	-22...158 °F (-30...70 °C)
Relative Humidity	10...95 % non-condensing
Ambient air temperature for operation	32...131 °F (0...55 °C)
Operating altitude	6561.68 ft (2000 m)
Vibration resistance	1 gn 5...500 Hz) HDD 2 gn 5...500 Hz) SSD 2 gn 5...500 Hz) Cfast card

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	18.70 in (47.5 cm)
Package 1 Width	10.04 in (25.5 cm)
Package 1 Length	17.72 in (45 cm)
Package 1 Weight	9.771 lb(US) (4.432 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.

How this information helps you >

Environmental footprint

Carbon footprint (kg CO2 eq, Total Life cycle)	874
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Environmental Disclosure	Product Environmental Profile
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Use Better

Materials and Substances

Packaging made with recycled cardboard	No
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Packaging without single use plastic	No
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EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
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REACH Regulation	REACH Declaration
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China RoHS Regulation	China RoHS declaration
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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
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Use Again

 Repack and remanufacture

Circularity Profile

[End of Life Information](#)

WEEE



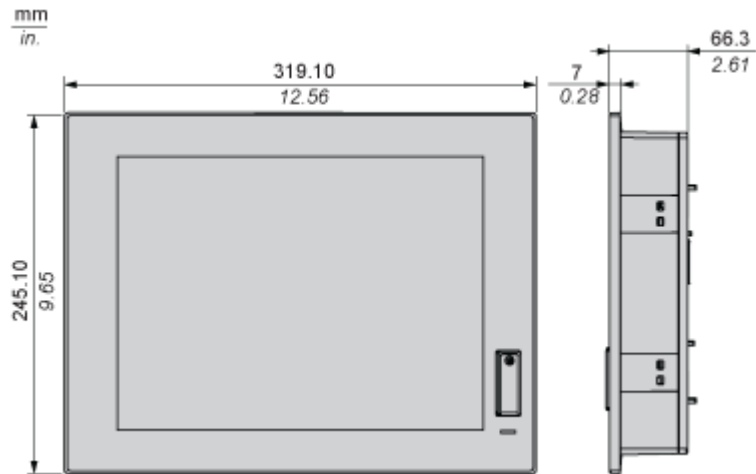
The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

Take-back

No

Dimensions Drawings

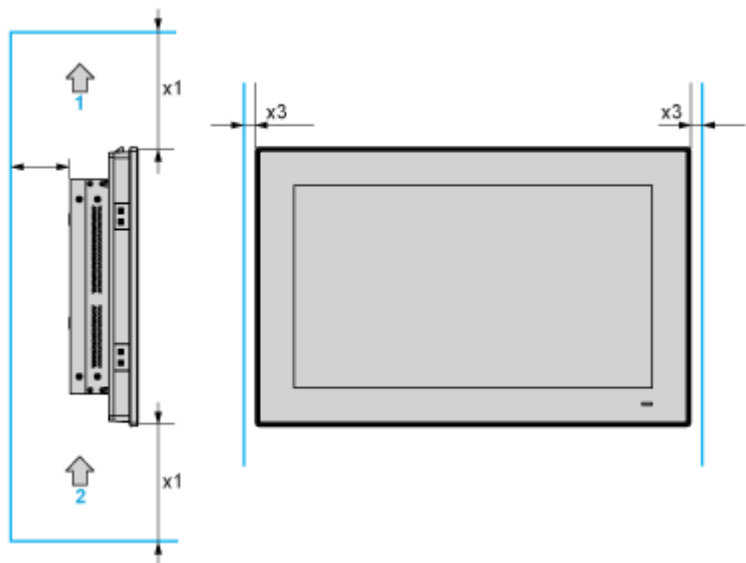
Display Dimensions



Mounting and Clearance

Spacing requirements - Mounted with Display adaptor HMIDAD

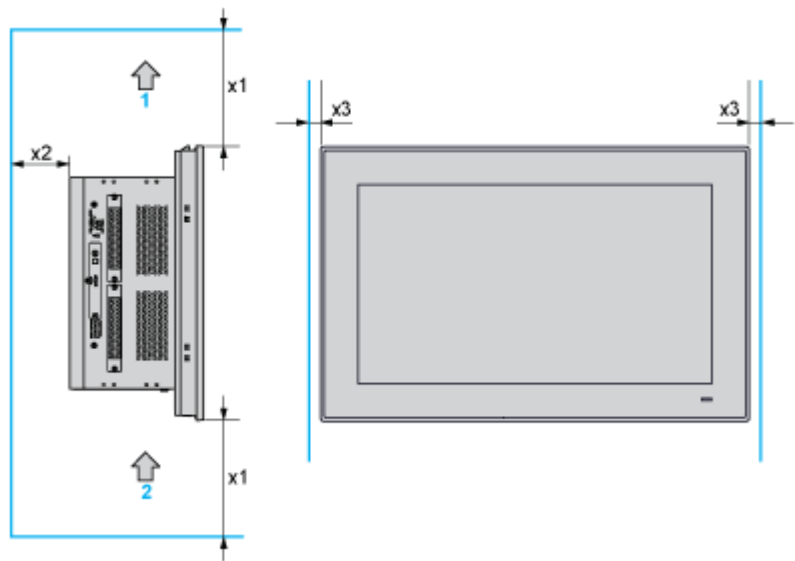
In order to provide sufficient air circulation, mount the Display Adapter so that the spacing above, below and on the sides of the unit is as follows:



- 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

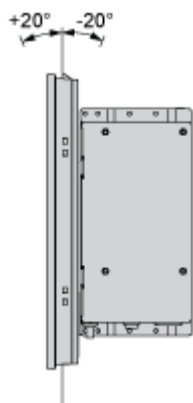
In order to provide sufficient air circulation, mount the display so that the spacing above, below and on the sides of the unit is as follows:



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

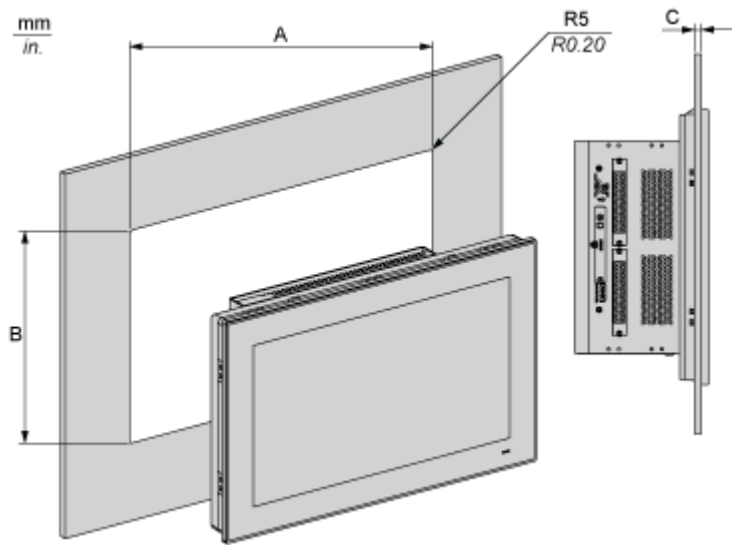
Mounting Orientation

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