HMIDM6421

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

Main

Range of product	Harmony Modular iPC
Product or component type	Flat screen
Terminal type	Touchscreen display
Integrated connection type	USB 2.0 type A at 1.5 Mbit/s, compatible with Modular Box PC

Complementary

Device mounting	Flush
Local signalling	Status LED
View angle horizontal x vertical	140 x 115°
Contrast ratio	500:1
Touchscreen resolution	2048 x 2048
Function available	Operate with water on screen
[Us] rated supply voltage	24 V DC power supply 100...240 V AC power supply 47...63 Hz
Supply voltage limits	18…36 V DC
Power consumption in W	43.6 W (typical) with Box PC HMIBMP 57.87 W (maximum) with Box PC HMIBMP 38.6 W (typical) with Box PC HMIBMU 52.87 W (maximum) with Box PC HMIBMU
Display size	12.1 inch
Display type	LED Colour TFT LCD
Display resolution	1024 x 768 pixels XGA
Display colour	16777216 colors
Luminance	300 cd/m²
Backlight lifespan	50000 hours at 25 °C
Touch panel	Single touch analogue resistive
Type of installation	Indoor installation
Inrush current	8.9 A
Width	319.1 mm
Height	245.1 mm
Depth	66.3 Mm enclosure: 7 mm
Net weight	2.3 kg

Environment

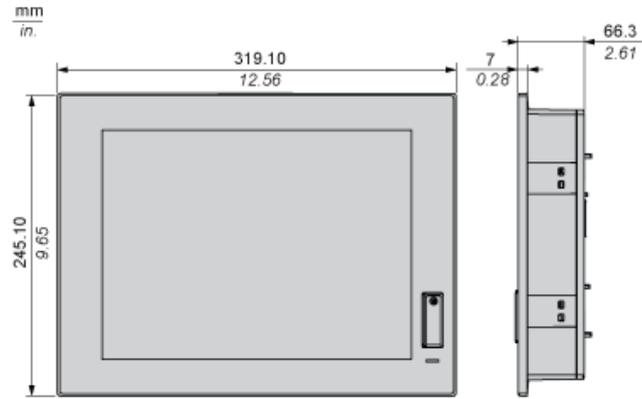|	
IP degree of protection	IP66
NEMA degree of protection	NEMA 4X
Standards	Class I division 2 CSA C22.2 No 213 CSA C22.2 No 142 UL 6110-2-201 Class I division 2 ANSI/ISA 12-12-01
Product certifications	CE C-Tick IEC-Ex EAC
Ambient air temperature for operation	0…55 °C
Ambient air temperature for storage	-30…70 °C
Pollution degree	2
Relative humidity	10…95 % non-condensing
Operating altitude	2000 m
Vibration resistance	1 gn (f = 5…500 Hz) HDD 2 gn (f = 5…500 Hz) SSD 2 gn (f = 5…500 Hz) Cfast card

Packing Units

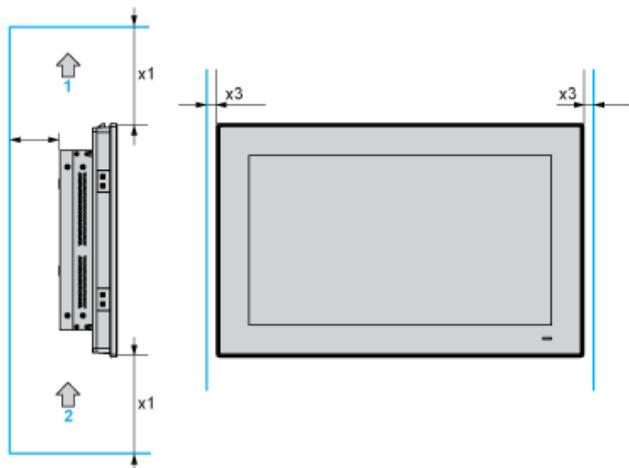|	
Package 1 Weight	4.432 kg
Package 1 Height	47.500 cm
Package 1 width	25.500 cm
Package 1 Length	45.000 cm

Offer Sustainability

REACh Regulation	REACh Declaration
REACh free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS Declaration
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Display Dimensions

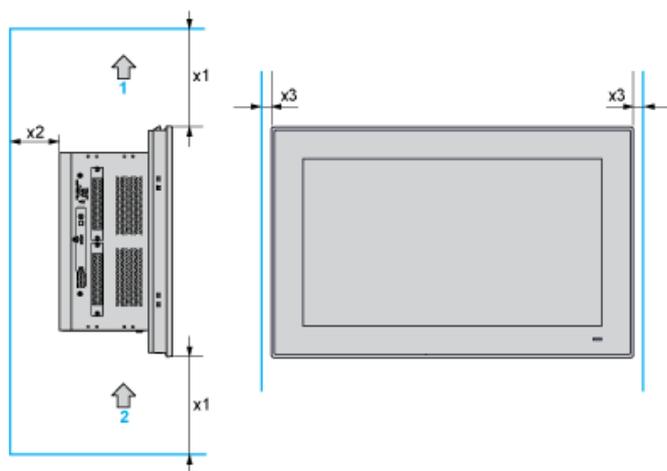## Spacing requirements - Mounted with Display adaptor HMIDAD

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)

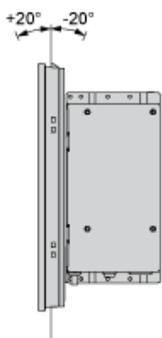## Spacing Requirements - Mounted with Modular Box PC HMIBM

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)
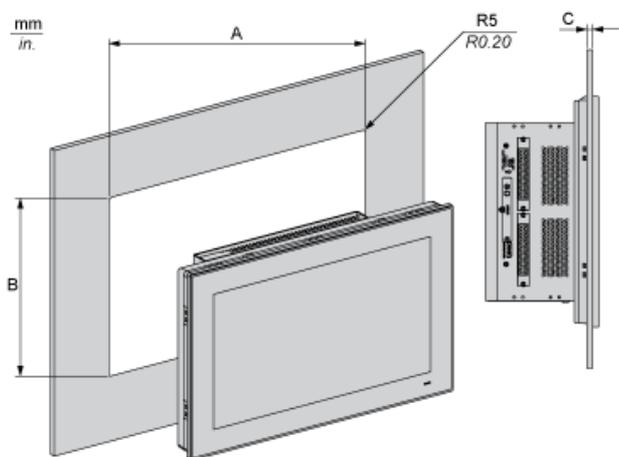x2 > 50 mm (1.96 in)
x3 > 15 mm (0.59 in)

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