## **Product datasheet**

Specifications





() Discontinued

# Modular Box PC HMIBM Universal DC Base unit 4Gb 4 slots

HMIBMU0I29D4001

() Discontinued on: 15 Apr 2024

EAN Code: 3606480853517

#### Main

Range Of Product	Harmony iPC
Product Or Component Type	Modular box PC
Device Short Name	Modular BOX PC Universal
Range Compatibility	Modular Display HMIDM IDisplay
Accessory / Separate Part Destination	PC panel on HMIDM modular display
Processor Name	Intel Celeron 2980U 1.6 GHz
Chipset Type	Intel QM87
Video Controller Type	Intel HD Graphics
Software Package	Node-RED and system nodes restore IIoT Wiring Operating System Restore McAfee white listing installer cyber security license not included EcoStruxture secure connect advisor annual subscription cyber security license not included EcoStruxure Operator Terminal Expert run time HMI license not included EcoStruxure machine SCADA expert run time HMI/SCADA on configured offer only EcoStruxure augmented operator advisor server augmented operator license not included

## Complementary

Mounting Location	Flat mounting Wall mounting Book mounting
Memory Description	4 GB RAM DDR3 internal (not expandable) 512 KB MRAM internal
Free Slots	2 Internal SATA HDD/SSD with slide-in HMIYMADSDD1 to mount . hot swap RAID with Intel Rapid Storage Technology 1 CFast 1 mSATA
Number Of Slots	1 slot(s) for PCI 1 slot(s) for PCI express 4x 2 slot(s) for mini PCI Express full-size
Number Of Slots Available For Expansion	2 slot(s) for mini PCIe 1 slot(s) for PCI 1 slot(s) for PCI express 4x
Display Resolution	3200 x 2000 pixels at 60 Hz
Watchdog Timer	1255 ms
Type Of Cooling	Fanless Fan required to mount PCI/PCIe cards above 3 W

Electrical Connection	Screw connector, connector type: pin, 1 way, circuit application: ground - location: bottom
	Connector, connector type: SMA, 3 ways - location: top
Integrated Connection Type	Display port with 1 on bottom Display port with 1 on front Ethernet with 2 RJ45 I210, transmission rate: 10/100/1000 Mbps on bottom IEEE 1588 supported COM1 serial link for battery backup with 1 male SUB-D 9 RS232/422/485 on bottom USB 2.0 port with 2 USB type A, transmission rate: 480 Mbit/s on bottom USB 3.0 port with 2 USB type A, transmission rate: 5 Gbit/s on bottom TPM connector Ver 1.2 for cyber security - hardware encryption TPM module HMIYMINATPM201 to be installed/default installed on motherboard
[Us] Rated Supply Voltage	24 V DC power supply 100240 V AC power supply
Supply Voltage Limits	1836 V
Inrush Current	8.9 A
Power Consumption In W	35.0 W (box) 39.0 W (with 4:3 12" display HMIDM6421) 37.0 W (with Wide 12" display HMIDM6521) 40 W (with 4:3 15" display HMIDM7421) 41 W (with Wide 15" display HMIDM7521) 43 W (with Wide 19" display HMIDM9521) 45 W (with Wide 22" display HMIDMA521)
Control Type	ON/OFF button
Main Type	Universal
Depth	103.2 mm
Height	207 mm
Width	254 mm
Net Weight	3.9 kg

## Environment

Standards	Class A group 1 EN 55011 EN 61000-6-4 EN 61131-2 FCC part 15 UL 61010
Product Certifications	CE CULus CULus CSA 22-2 No 142 CULus HazLoc Class I Division 2 ANSI/ISA 12-12-01 CULus HazLoc Class I Division 2 CSA 22-2 No 213 ATEX CCC RCM EAC IEC Ex hazardous locations 3GD zone 2/22
Quality Labels	CE
Directives	2006/95/EC - low voltage directive 2004/108/EC - electromagnetic compatibility
Ip Degree Of Protection	IP40 conforming to IEC 60529
Electromagnetic Compatibility	Immunity to high frequency interference conforming to IEC 61000-4 Disturbing field emission class A conforming to EN 55011 Conducted and radiated emissions class A conforming to EN 55022
Ambient Air Temperature For Storage	-3070 °C conforming to IEC 60068-2-2 -3070 °C conforming to IEC 60068-2-14
Relative Humidity	1095 % non-condensing conforming to EN/IEC 60068-2-30

Ambient Air Temperature For Operation	055 °C (by default) conforming to EN/IEC 60068-2-2 050 °C flat mounting 045 °C on PCI/PCIe HMIDM modular display with HDD 040 °C flat mounting on HDD 040 °C flat mounting on mini PCIe 040 °C flat mounting on PCI/PCIe 045 °C conforming to 2 on mini PCIe HMIDM modular display
Operating Altitude	2000 m conforming to IEC 60664-1
Vibration Resistance	2 gn (f = 5500 Hz) SSD or CFast 1 gn (f = 5500 Hz) HDD

## **Packing Units**

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	10.3 cm
Package 1 Width	20.7 cm
Package 1 Length	25.4 cm
Package 1 Weight	3.9 kg
Unit Type Of Package 2	CAR
Number Of Units In Package 2	1
Package 2 Height	45.0 cm
Package 2 Width	24.5 cm
Package 2 Length	43.0 cm
Package 2 Weight	5.9 kg

## **Contractual warranty**

Warranty

18 months

## Sustainability Screen Premium

**Green Premium<sup>TM</sup> label** is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >



Transparency RoHS/REACh

## Well-being performance

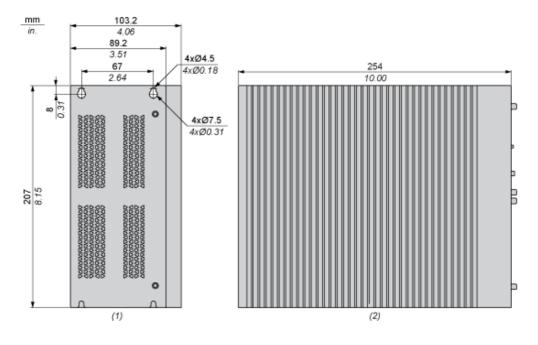
Reach Free Of Svhc
Mercury Free
Rohs Exemption Information Yes

#### **Certifications & Standards**

Reach Regulation	REACh Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
China Rohs Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Circularity Profile	End of Life Information

#### **Dimensions Drawings**

#### Dimensions

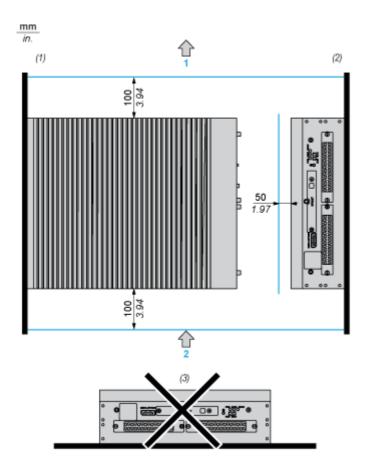


(1) Rear view

(2) Left view

#### Mounting and Clearance

#### Spacing Requirements



- 1: Air out
- 2: Air in
- (1) Book mounting : Vertical mounting with rear fixing
- (2) Wall mounting : Vertical mounting with side fixing
- (3) Horizontal mounting