Product data sheet

Specifications



Modular box PC, Harmony iPC, IIoT Edge 4 GB M.2 DC Windows TPM

HMIBMOMA5DD1E01

Discontinued on: Jun 20, 2025

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

Discontinued - Service only

Product availability: Non-Stock - Not normally stocked in distribution facility

Main

Range of Product	Harmony iPC
Device short name	Modular BOX PC Optimized
Product or Component Type	Modular box PC
Range Compatibility	IDisplay Modular Display HMIDM
Accessory / separate part destination	PC panel HMIDM modular display
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	Book mounting Flat mounting Wall mounting
Memory description	4 GB RAM DDR3 internal not expandable)
Free slots	1 M.2 SSD
Number of slots available for expansion	1.0 mini PCIe
Display resolution	3200 x 2000 pixels at 60 Hz
Watchdog timer	1…255 ms
Electrical connection	Screw connector, connector type: pin, 1 way, circuit application: ground - location: bottom Connector, connector type: SMA, 3 ways - location: top
Cyber secured boot	Secure password boot UEFI
[Us] rated supply voltage	24 V DC power supply 100...240 V AC power supply
Supply voltage limits	9.6…28.8 V
Control type	ON/OFF button
Main type	Optimised
Number of slots	1 slot(s) for mini PCI Express full-size without optional interface plate,
Type of cooling	Fanless
Inrush current	2.03 A

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

Width	7.4 in (187 mm)
Height	5.9 in (150 mm)
Product Weight	2.76 lb(US) (1.25 kg)

Environment

Environmental characteristic	Hazardous location with additional adaptor HMIYMMAC1
Standards	Class A group 1 IEC 55011 IEC 61000-6-4 IEC 61131-2 FCC part 15 UL 61010
Quality labels	CE
Directives	2004/108/EC - electromagnetic compatibility 2006/95/EC - low voltage directive
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 IEC Ex hazardous locations 3GD zone 2/22 EAC
Operating altitude	6561.68 ft (2000 m) IEC 60664-1
Ambient air temperature for operation	32…131 °F (0…55 °C) by default) IEC 60068-2-2 32…131 °F (0…55 °C) flat mounting

Ordering and shipping details

Category	US10MC222577
Discount Schedule	0MC2
GTIN	3606481245762
Returnability	No

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	5.906 in (15.000 cm)
Package 1 Width	9.213 in (23.400 cm)
Package 1 Length	14.961 in (38.000 cm)
Package weight(Lbs)	4.264 lb(US) (1.934 kg)
Unit Type of Package 2	S04
Number of Units in Package 2	3
Package 2 Height	11.811 in (30.000 cm)
Package 2 Width	15.748 in (40.000 cm)
Package 2 Length	23.622 in (60.000 cm)
Package 2 Weight	14.775 lb(US) (6.702 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	**1 211 kg CO2 eq.**
Carbon footprint of the manufacturing phase [A1 to A3]	**115 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**0.4 kg CO2 eq.**
Carbon footprint of the installation phase [A5]	**0.2 kg CO2 eq.**
Carbon footprint of the use phase [B2, B3, B4, B6]	**1 093 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**2 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	**3fe7d895-f8a3-452a-ad75-1d17e7e6e6eb**
EU RoHS Directive	Compliant By Exemption
REACh Regulation	Reference contains Substances of Very High Concern above the threshold
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**
Halogen content performance	**Product contains halogen above thresholds**
PVC free	**No**
Silicon free	**No**

Use Longer

Lifetime extension

Repair	**No**

Use Again

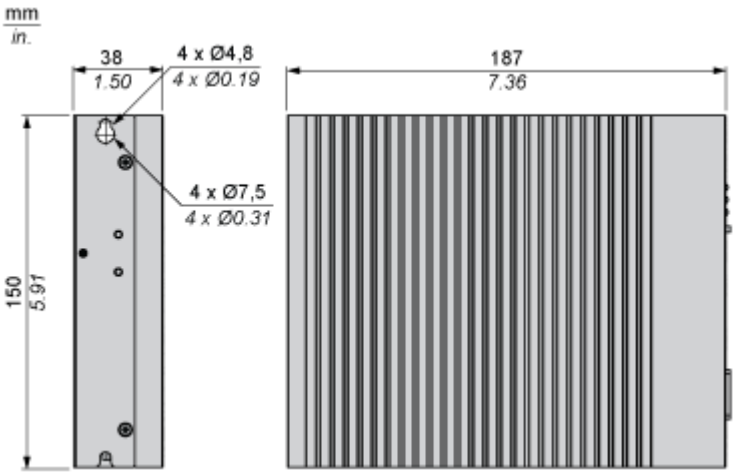
Repack and remanufacture

Recyclability potential, in %	**48**

Circularity Profile	End of Life Information
Removable battery	User replaceable
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.

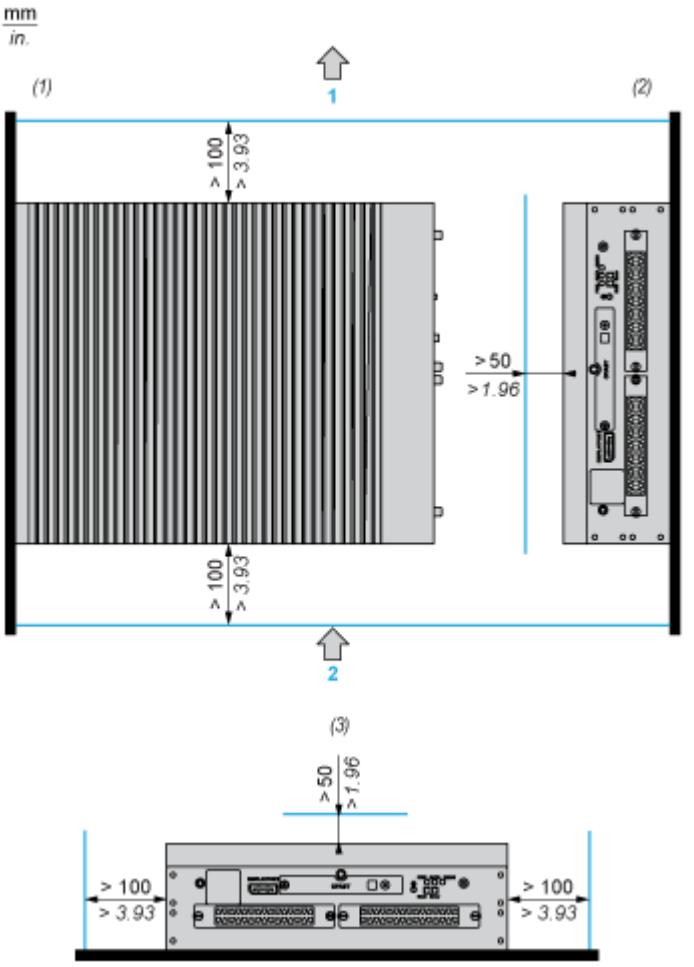
Dimensions Drawings

Dimensions



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