

Product data sheet

Specifications



Modular box PC, Harmony iPC, Optimized DC Base unit 4 GB Expandable

HMIBMO0A5DDF101

⚠ Discontinued on: Jun 19, 2025

⚠ End-of-service on: Jun 19, 2025

⚠ Discontinued - Service only

Main

Range of product	Harmony iPC
Device short name	Modular BOX PC Optimized Expandable
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 EcoStruxure 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 1 Internal SATA HDD/SSD with adapter HMIYBADHDDBMO1 to mount
Number of slots available for expansion	1 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 with optional interface plate,
Type of cooling	Fanless

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

Inrush current	2.03 A
Width	7.4 in (187 mm)
Height	5.9 in (150 mm)
Net weight	2.9 lb(US) (1.3 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 EAC IEC Ex hazardous locations 3GD zone 2/22
Operating altitude	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 32...122 °F (0...50 °C)HDD 32...122 °F (0...50 °C) flat mountingHDD

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	5.9 in (15 cm)
Package 1 Width	9.3 in (23.5 cm)
Package 1 Length	15.2 in (38.5 cm)
Package 1 Weight	4.4 lb(US) (2 kg)
Unit Type of Package 2	S04
Number of Units in Package 2	6
Package 2 Height	11.8 in (30 cm)
Package 2 Width	15.7 in (40 cm)
Package 2 Length	23.6 in (60 cm)
Package 2 Weight	15.2 lb(US) (6.9 kg)
Unit Type of Package 3	P06
Number of Units in Package 3	18
Package 3 Height	29.5 in (75 cm)
Package 3 Width	23.6 in (60 cm)
Package 3 Length	31.5 in (80 cm)

Package 3 Weight	134.5 lb(US) (61 kg)
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Contractual warranty

Warranty (in months)	18
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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
Halogen content performance	Product contains halogen above thresholds
PVC free	No
Silicon free	No

Use Longer



Lifetime extension

Repair	No
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Use Again



Repack and remanufacture

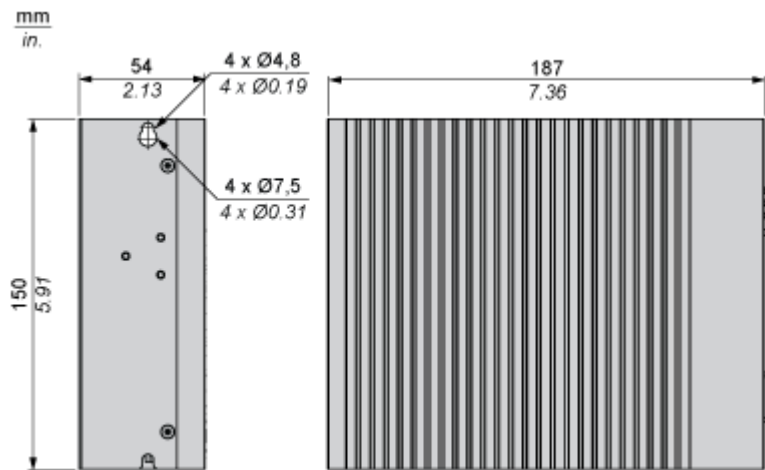
Recyclability potential, in %	48
Circularity Profile	End of Life Information
Removable battery	User replaceable
Take-back	No



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

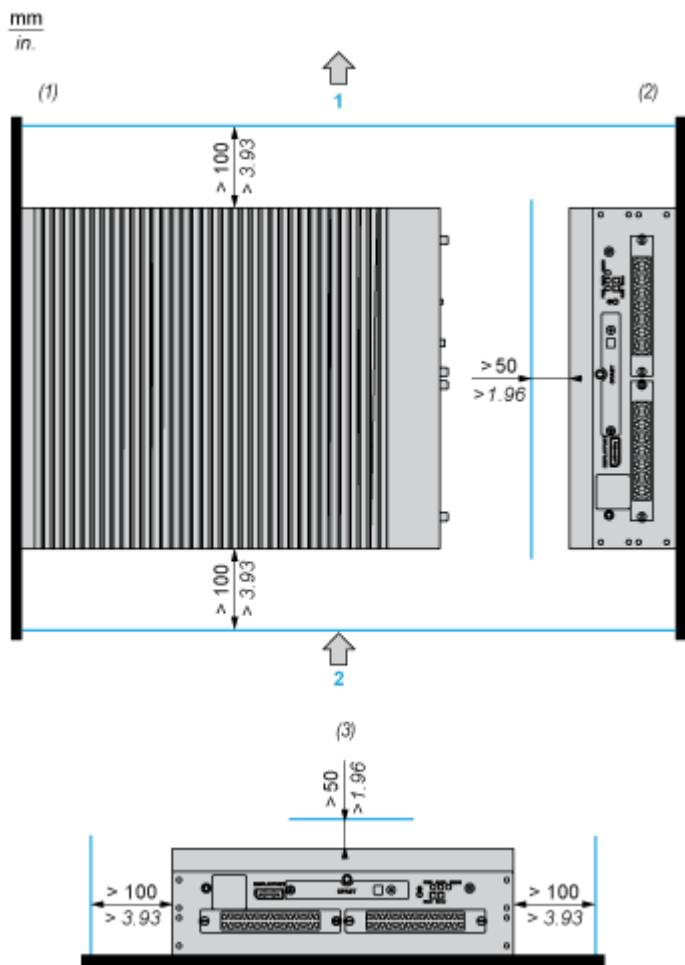
Dimensions Drawings

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