

Product datasheet

Specifications



IloT Edge Box Core, Harmony iPC, eMMC DC Linux

HMIBSCEA53D1L0A

⚠ Discontinued on: Apr 4, 2024 AD

⚠ Discontinued

Main

Range of product	Harmony iPC
Device short name	IloT Edge Box Core
Product or component type	IloT Edge Box Core
Range compatibility	HMIYMIN4GUS1 Interface Mini PCIe 4G US for iPC HMIYMIN4GEU1 Interface Mini PCIe 4G EU for iPC HMIYMIN8AI1 Interface Mini PCIe 8x Analog Input 0-10V HMIYBIN2AIM21 Interface M.2 2x Analog Input 0-10V/4-20mA
Accessory / separate part destination	Celullar 4G and analog Inputs
Software package	Node-RED and system nodes default IloT Wiring

Complementary

Mounting location	Book mounting Flat mounting Wall mounting
Memory description	2 GB RAM LPDDR3 internal (not expandable)
Free slots	1 SD card SD 3.0, max raw transfer rate 104 MBps . Supports SD,SDHC,SDXC (Standard 32 mm x 24 mm)
Number of slots available for expansion	1.0 slot(s) for mini PCIe 1.0 slot(s) for M.2 (not for storage)
Display resolution	1920 x 1080 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 - location: top
Cyber secured boot	Secure password boot
Connector type	1.0 GPIO Pin, 8 pins bottom(Software utility provided)
[Us] rated supply voltage	24 V DC power supply 100...240 V AC power supply
Supply voltage limits	12...24 V
Control type	Resettable
Communication network type	1.0 WCN3620 Wi-Fi 2.4 GHz conforming to IEEE 802.11 b/g/n 1.0 WCN3620 Bluetooth 4.1
Impregnation material	Conformal coated
Main type	IloT Edge Box Core
Number of slots	1 slot(s) for mini PCI Express full-size with optional interface plate, 1 slot(s) for M.2 not for storage,

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

Type of cooling	Fanless
Inrush current	0.43 A
Width	157 mm
Height	150 mm
Net weight	1 kg

Environment

Standards	Class A group 1 IEC 55011 IEC 61000-6-4 IEC 61131-2 FCC part 15 UL 60950
Quality labels	CE
Directives	2004/108/EC - electromagnetic compatibility 2006/95/EC - low voltage directive
Product certifications	CE CULus UL 60950 for IT equipments CCC RCM EAC RED FCC RF IC SRRC TELEC FAC ANATEL
Operating altitude	2000 m conforming to IEC 60664-1
Ambient air temperature for operation	0...50 °C (by default) conforming to IEC 60068-2-2 0...50 °C flat mounting 0...45 °C on mini PCIe 0...45 °C flat mounting on mini PCIe

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	8.5 cm
Package 1 Width	22.0 cm
Package 1 Length	32.0 cm
Package 1 Weight	1.3 kg
Unit Type of Package 2	S04
Number of Units in Package 2	6
Package 2 Height	30.0 cm
Package 2 Width	40.0 cm
Package 2 Length	60.0 cm
Package 2 Weight	8.97 kg
Unit Type of Package 3	P12
Number of Units in Package 3	72
Package 3 Height	80 cm
Package 3 Width	105 cm

Package 3 Length	125 cm
Package 3 Weight	118.6 kg

Contractual warranty

Warranty (in months)	18
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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

Environmental Disclosure

[Product Environmental Profile](#)

Use Better

Materials and Substances

SCIP Number

D4ad8e0b-17b8-41d6-ba27-26a646b8fe5b

EU RoHS Directive

[Compliant By Exemption](#)

Use Longer

Lifetime extension

Repair

No

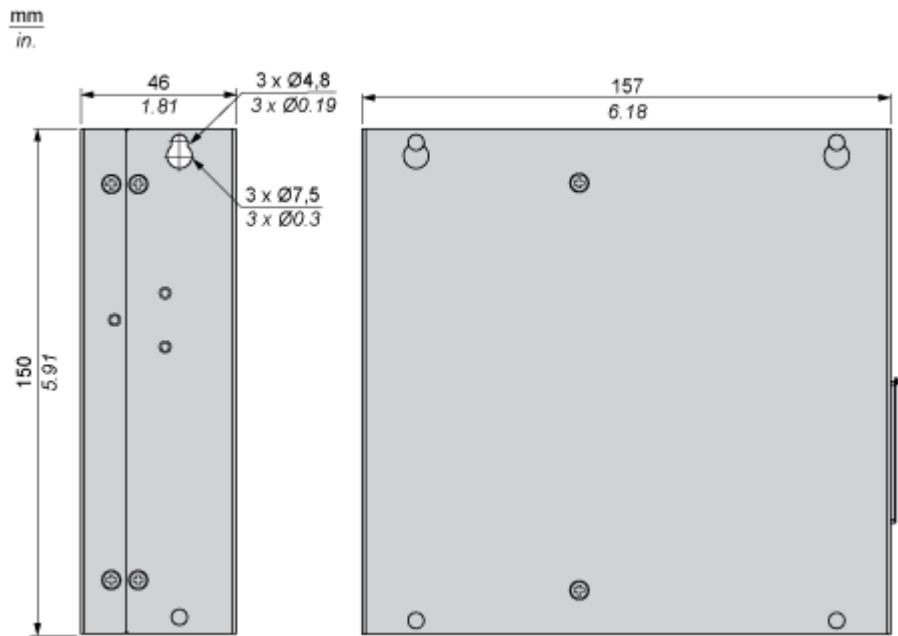
Use Again

Repack and remanufacture

End of life manual availability

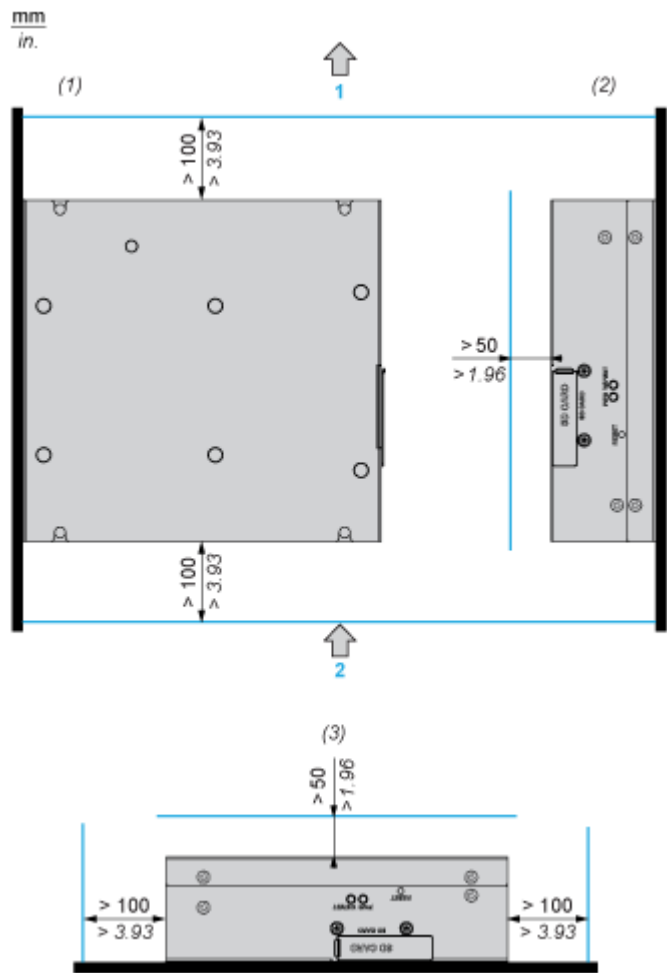
[End of Life Information](#)

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