

# Product data sheet

Specifications



## Modular box PC, Harmony iPC, Optimized DC Base unit 8 GB Expandable

HMIBMO0A5DDF10A

⚠ Discontinued on: Apr 30, 2025

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

⚠ To be discontinued

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

### Main

|                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range of Product                      | Harmony iPC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Device short name                     | Modular BOX PC Optimized Expandable                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Product or Component Type             | Modular box PC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Range Compatibility                   | IDisplay<br>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<br>McAfee white listing installer cyber security license not included<br>EcoStruxure secure connect advisor annual subscription cyber security license not included<br>EcoStruxure Operator Terminal Expert run time HMI license not included<br>EcoStruxure machine SCADA expert run time HMI/SCADA on configured offer only<br>EcoStruxure augmented operator advisor server augmented operator license not included |

### Complementary

|                                         |                                                                                                                                                       |
|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Mounting Location                       | Book mounting<br>Flat mounting<br>Wall mounting                                                                                                       |
| Memory description                      | 8 GB RAM DDR3 internal not expandable)                                                                                                                |
| Free slots                              | 1 M.2 SSD<br>1 Internal SATA HDD/SSD with adapter HMIYBADHDDBMO1 to mount                                                                             |
| 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<br>Connector, connector type: SMA, 3 ways - location: top |
| Cyber secured boot                      | Secure password boot UEFI                                                                                                                             |
| [Us] rated supply voltage               | 24 V DC power supply<br>100...240 V AC power supply                                                                                                   |
| Supply voltage limits                   | 9.6...28.8 V                                                                                                                                          |
| Control type                            | ON/OFF button                                                                                                                                         |
| Impregnation material                   | Conformal coated                                                                                                                                      |
| Main type                               | Optimised                                                                                                                                             |

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

|                 |                                                                         |
|-----------------|-------------------------------------------------------------------------|
| Number of slots | 1 slot(s) for mini PCI Express full-size with optional interface plate, |
| Type of cooling | Fanless                                                                 |
| Inrush current  | 2.03 A                                                                  |
| Width           | 7.4 in (187 mm)                                                         |
| Height          | 5.9 in (150 mm)                                                         |
| Product Weight  | 2.9 lb(US) (1.3 kg)                                                     |

## Environment

|                                       |                                                                                                                                                                                                                       |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Environmental characteristic          | Hazardous location with additional adaptor HMIYMMAC1                                                                                                                                                                  |
| Standards                             | Class A group 1 IEC 55011<br>IEC 61000-6-4<br>IEC 61131-2<br>FCC part 15<br>UL 61010                                                                                                                                  |
| Quality labels                        | CE                                                                                                                                                                                                                    |
| Directives                            | 2004/108/EC - electromagnetic compatibility<br>2006/95/EC - low voltage directive                                                                                                                                     |
| Operating altitude                    | 6561.68 ft (2000 m) IEC 60664-1                                                                                                                                                                                       |
| Product certifications                | CE<br>CULus<br>CULus CSA 22-2 No 142<br>CULus HazLoc Class I Division 2 ANSI/ISA 12-12-01<br>CULus HazLoc Class I Division 2 CSA 22-2 No 213<br>ATEX<br>CCC<br>RCM<br>EAC<br>IEC Ex hazardous locations 3GD zone 2/22 |
| Ambient air temperature for operation | 32...131 °F (0...55 °C) by default) IEC 60068-2-2<br>32...131 °F (0...55 °C) flat mounting<br>32...122 °F (0...50 °C)HDD<br>32...122 °F (0...50 °C) flat mountingHDD                                                  |

## Ordering and shipping details

|                   |               |
|-------------------|---------------|
| Category          | US10MC222577  |
| Discount Schedule | 0MC2          |
| GTIN              | 3606481245526 |
| Returnability     | No            |
| Country of origin | TW            |

## Packing Units

|                              |                         |
|------------------------------|-------------------------|
| Unit Type of Package 1       | PCE                     |
| Number of Units in Package 1 | 1                       |
| Package 1 Height             | 5.71 in (14.500 cm)     |
| Package 1 Width              | 9.25 in (23.500 cm)     |
| Package 1 Length             | 14.76 in (37.500 cm)    |
| Package 1 Weight             | 4.464 lb(US) (2.025 kg) |
| Unit Type of Package 2       | S04                     |
| Number of Units in Package 2 | 3                       |
| Package 2 Height             | 11.81 in (30.000 cm)    |

|                  |                          |
|------------------|--------------------------|
| Package 2 Width  | 15.75 in (40.000 cm)     |
| Package 2 Length | 23.62 in (60.000 cm)     |
| Package 2 Weight | 15.406 lb(US) (6.988 kg) |

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                        |                                               |
|------------------------------------------------|-----------------------------------------------|
| Carbon footprint (kg CO2 eq, Total Life cycle) | 1211                                          |
| Environmental Disclosure                       | <a href="#">Product Environmental Profile</a> |

Use Better

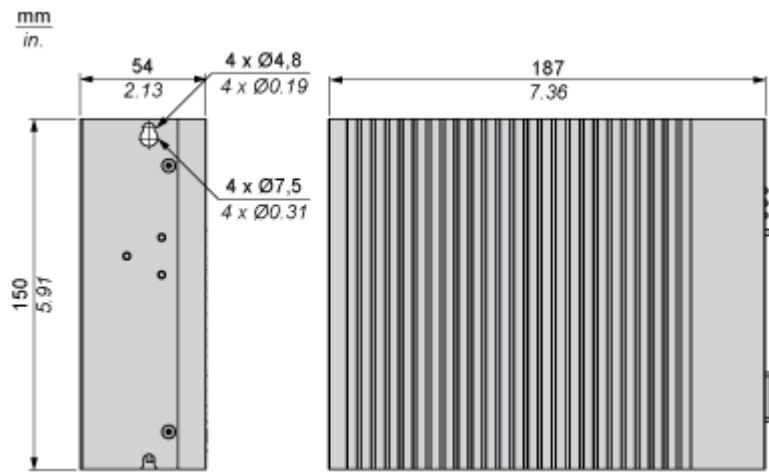
| Materials and Substances               |                                                                                                                                                                                                                                                                                             |
|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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   | Yes                                                                                                                                                                                                                                                                                         |
| <a href="#">EU RoHS Directive</a>      | Pro-active compliance (Product out of EU RoHS legal scope)                                                                                                                                                                                                                                  |
| SCIP Number                            | 3fe7d895-f8a3-452a-ad75-1d17e7e6e6eb                                                                                                                                                                                                                                                        |
| REACH Regulation                       | <a href="#">REACH Declaration</a>                                                                                                                                                                                                                                                           |
| 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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |

Use Again

| Repack and remanufacture |                                                                                                                                                                                                                  |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Circularity Profile      | <a href="#">End of Life Information</a>                                                                                                                                                                          |
| Removable battery        | Yes                                                                                                                                                                                                              |
| Take-back                | No                                                                                                                                                                                                               |
| WEEE                     |  The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins. |

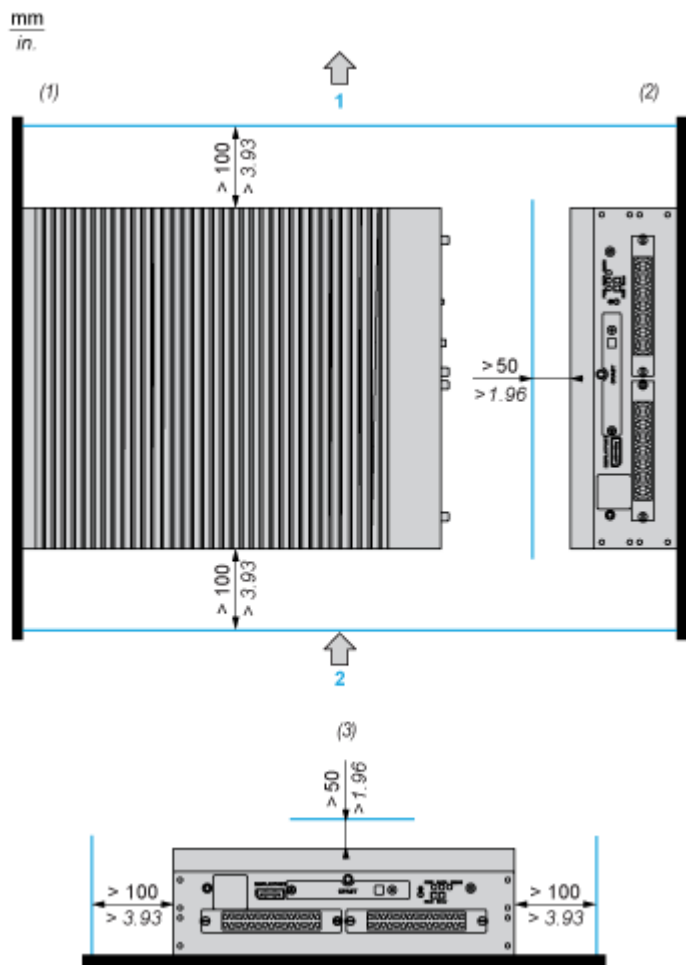
Dimensions Drawings

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