

# HMIBMP0I74D4001

## Modular Box PC HMIBM Performance DC

### Base unit 8Gb 4 slots



#### Main

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range of product          | Harmony iPC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Product or component type | Modular box PC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Device short name         | Modular BOX PC Performance                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Chipset type              | Intel QM87                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Free slots                | 2 Internal SATA HDD/SSD with slide-in HMIYMADSDD1 to mount hot swap RAID with Intel Rapid Storage Technology<br>1 CFAST<br>1 mSATA                                                                                                                                                                                                                                                                                                                                                            |
| Video controller type     | Intel HD Graphics 5000                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 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

|                                       |                                                                                                                                                                                                                                                                                                                                                                                                                            |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range compatibility                   | Modular Display HMIDM IDisplay                                                                                                                                                                                                                                                                                                                                                                                             |
| Accessory / separate part destination | PC panel HMIDM modular display                                                                                                                                                                                                                                                                                                                                                                                             |
| Mounting location                     | Flat mounting<br>Book mounting<br>Wall mounting                                                                                                                                                                                                                                                                                                                                                                            |
| Processor name                        | Intel Core i7 4650U turbo boost at 3.3 GHz                                                                                                                                                                                                                                                                                                                                                                                 |
| Memory description                    | 8 GB RAM DDR3 internal not expandable)<br>512 kB MRAM internal                                                                                                                                                                                                                                                                                                                                                             |
| Number of slots                       | 1 PCI<br>1 PCI express 4x<br>2 mini PCI Express full-size                                                                                                                                                                                                                                                                                                                                                                  |
| Display resolution                    | 3200 x 2000 pixels at 60 Hz                                                                                                                                                                                                                                                                                                                                                                                                |
| Watchdog timer                        | 1...255 ms                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Type of cooling                       | Fanless<br>Fan required to mount PCI/PCIe cards above 3 W                                                                                                                                                                                                                                                                                                                                                                  |
| Electrical connection                 | Screw connector pin, 1 way ground bottom<br>Connector SMA, 3 ways top                                                                                                                                                                                                                                                                                                                                                      |
| Integrated connection type            | Display port 1 bottom<br>Display port 1 front<br>Ethernet 2 RJ45 I210 10/100/1000 Mbps bottom IEEE 1588 supported<br>COM1 serial link battery backup 1 male SUB-D 9 RS232/422/485 bottom<br>USB 2.0 port 2 USB type A 480 Mbit/s bottom<br>USB 3.0 port 2 USB type A 5 Gbit/s bottom<br>TPM connector Ver 1.2 cyber security - hardware encryption TPM module HMIYMINATPM201 to be installed/default installed motherboard |
| [Us] rated supply voltage             | 24 V DC power supply<br>100...240 V AC power supply                                                                                                                                                                                                                                                                                                                                                                        |
| Supply voltage limits                 | 18...36 V                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Inrush current                        | 8.9 A                                                                                                                                                                                                                                                                                                                                                                                                                      |

The information provided in this documentation contains general descriptions and/or technical characteristics of the products of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

|                                         |                                                                                                                                                                                                                                                                     |
|-----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Power consumption in W                  | 40.0 W box)<br>44.0 W with 4:3 12" Display HMIDM6421)<br>43.0 W with Wide 12" Display HMIDM6521)<br>45 W with 4:3 15" Display HMIDM7421)<br>46 W with Wide 15" Display HMIDM7521)<br>48 W with Wide 19" Display HMIDM9521)<br>51 W with Wide 22" Display HMIDMA521) |
| Control type                            | ON/OFF button                                                                                                                                                                                                                                                       |
| Maximum Depth                           | 4.06 in (103.2 mm)                                                                                                                                                                                                                                                  |
| Maximum Height                          | 8.15 in (207 mm)                                                                                                                                                                                                                                                    |
| Maximum Width                           | 10.00 in (254 mm)                                                                                                                                                                                                                                                   |
| Net Weight                              | 8.60 lb(US) (3.9 kg)                                                                                                                                                                                                                                                |
| Number of slots available for expansion | 2 mini PCIe<br>1 PCI<br>1 PCI express 4x                                                                                                                                                                                                                            |

## Environment

|                                       |                                                                                                                                                                                                                                                                                                                                                                            |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Standards                             | Class A group 1 EN 55011<br>EN 61000-6-4<br>EN 61131-2<br>FCC part 15<br>UL 61010                                                                                                                                                                                                                                                                                          |
| 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>Marine GL Bridge<br>EAC<br>IEC Ex hazardous locations 3GD zone 2/22                                                                                                                                  |
| Quality labels                        | CE                                                                                                                                                                                                                                                                                                                                                                         |
| Directives                            | 2006/95/EC - low voltage directive<br>2004/108/EC - electromagnetic compatibility                                                                                                                                                                                                                                                                                          |
| IP degree of protection               | IP40 IEC 60529                                                                                                                                                                                                                                                                                                                                                             |
| Electromagnetic compatibility         | Immunity to high frequency interference IEC 61000-4<br>Disturbing field emissionclass A EN 55011<br>Conducted and radiated emissionsclass A EN 55022                                                                                                                                                                                                                       |
| Ambient air temperature for storage   | -22...158 °F (-30...70 °C) IEC 60068-2-2<br>-22...158 °F (-30...70 °C) IEC 60068-2-14                                                                                                                                                                                                                                                                                      |
| Relative humidity                     | 10...95 % non-condensing EN/IEC 60068-2-30                                                                                                                                                                                                                                                                                                                                 |
| Ambient air temperature for operation | 32...131 °F (0...55 °C) by default) EN/IEC 60068-2-2<br>32...122 °F (0...50 °C) flat mounting<br>32...113 °F (0...45 °C)PCI/PCIe HMIDM modular display with HDD<br>32...104 °F (0...40 °C) flat mountingHDD<br>32...104 °F (0...40 °C) flat mountingmini PCIe<br>32...104 °F (0...40 °C) flat mountingPCI/PCIe<br>32...113 °F (0...45 °C) 2mini PCIe HMIDM modular display |
| Operating altitude                    | 6561.68 ft (2000 m) IEC 60664-1                                                                                                                                                                                                                                                                                                                                            |
| Vibration resistance                  | 2 gn 5...500 Hz)SSD or CFast<br>1 gn 5...500 Hz)HDD                                                                                                                                                                                                                                                                                                                        |

## Ordering and shipping details

|                       |                     |
|-----------------------|---------------------|
| Category              | 22575 - MAGELIS MC3 |
| Discount Schedule     | MC3                 |
| GTIN                  | 00785901701613      |
| Nbr. of units in pkg. | 1                   |
| Package weight(Lbs)   | 13 lb(US) (5.90 kg) |
| Returnability         | No                  |
| Country of origin     | US                  |

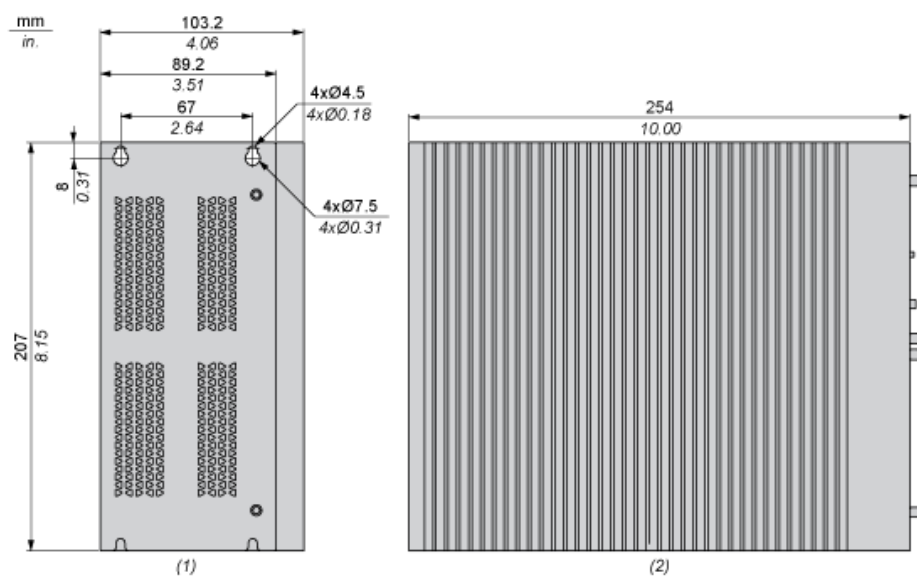
## Packing Units

|                  |                       |
|------------------|-----------------------|
| Package 1 Height | 4.06 in (103.000 mm)  |
| Package 1 width  | 8.15 in (207.000 mm)  |
| Package 1 Length | 10.00 in (254.000 mm) |

## Offer Sustainability

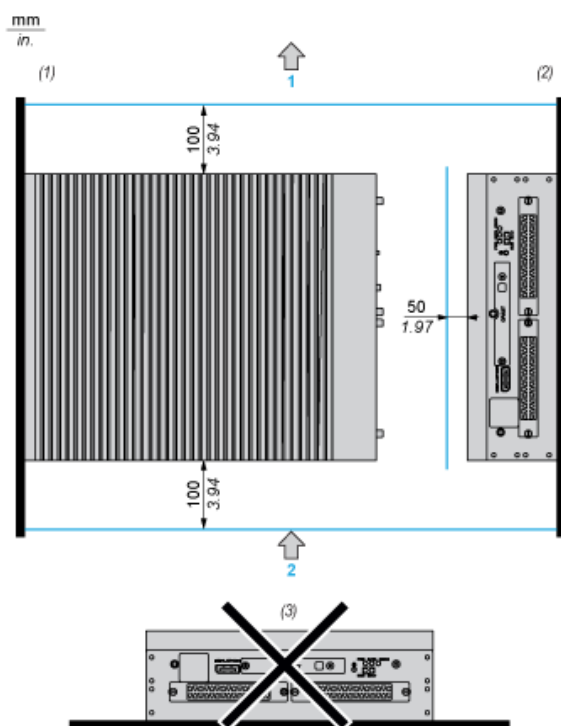
|                            |                                                                                                                              |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------|
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>                               |
| Mercury free               | Yes                                                                                                                          |
| RoHS exemption information | <a href="#">Yes</a>                                                                                                          |
| China RoHS Regulation      | <a href="#">China RoHS Declaration</a>                                                                                       |
| WEEE                       | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins. |

Dimensions



- (1) Rear view  
(2) Left view

## 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