



### Main

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range of product          | Harmony iPC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Product or component type | Modular box PC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Device short name         | Modular BOX PC Universal                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 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>Wall mounting<br>Book mounting                                                                                                                                                                                                                                                                                                                                                                               |
| Processor name                        | Intel Celeron 2980U                                                                                                                                                                                                                                                                                                                                                                                                           |
| Memory description                    | 8 GB RAM DDR3 internal not expandable)<br>512 kB MRAM internal                                                                                                                                                                                                                                                                                                                                                                |
| Number of slots                       | 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<br>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                                                                                                                                                                                                                                                                                                                                                                                                                         |

|                                         |                                                                                                                                                                                                                                                                     |
|-----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Power consumption in W                  | 35.0 W box)<br>39.0 W with 4:3 12" Display HMIDM6421)<br>37.0 W with Wide 12" Display HMIDM6521)<br>40 W with 4:3 15" Display HMIDM7421)<br>41 W with Wide 15" Display HMIDM7521)<br>43 W with Wide 19" Display HMIDM9521)<br>45 W with Wide 22" Display HMIDMA521) |
| Control type                            | ON/OFF button                                                                                                                                                                                                                                                       |
| Maximum Depth                           | 2.57 in (65.2 mm)                                                                                                                                                                                                                                                   |
| Maximum Height                          | 8.15 in (207 mm)                                                                                                                                                                                                                                                    |
| Maximum Width                           | 10.00 in (254 mm)                                                                                                                                                                                                                                                   |
| Net Weight                              | 6.83 lb(US) (3.1 kg)                                                                                                                                                                                                                                                |
| Impregnation material                   | Conformal coated                                                                                                                                                                                                                                                    |
| Number of slots available for expansion | 2 mini PCIe                                                                                                                                                                                                                                                         |

## 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>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/PCle 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/PCle<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                  | 00785901533023        |
| Nbr. of units in pkg. | 1                     |
| Package weight(Lbs)   | 11.2 lb(US) (5.08 kg) |
| Returnability         | No                    |
| Country of origin     | US                    |

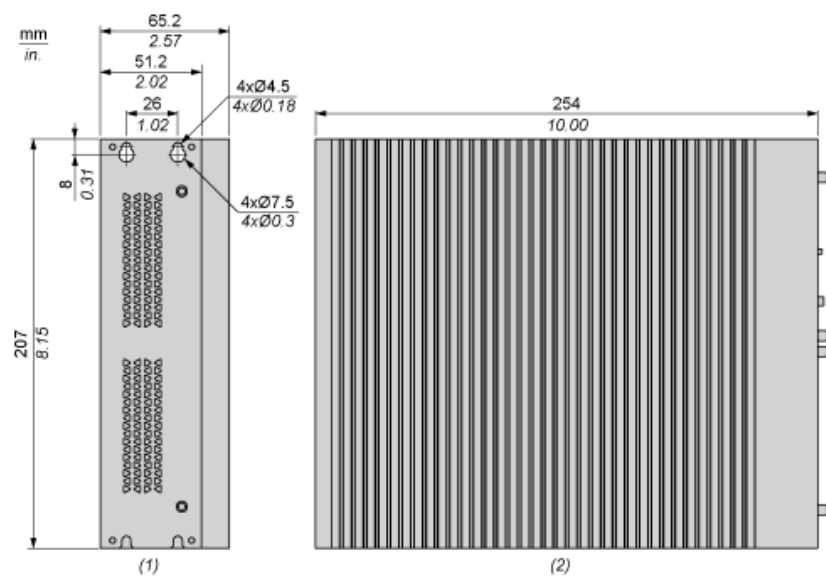
## Packing Units

|                  |                       |
|------------------|-----------------------|
| Package 1 Height | 2.56 in (65.000 mm)   |
| Package 1 width  | 8.15 in (207.000 mm)  |
| Package 1 Length | 10.00 in (254.000 mm) |

## Offer Sustainability

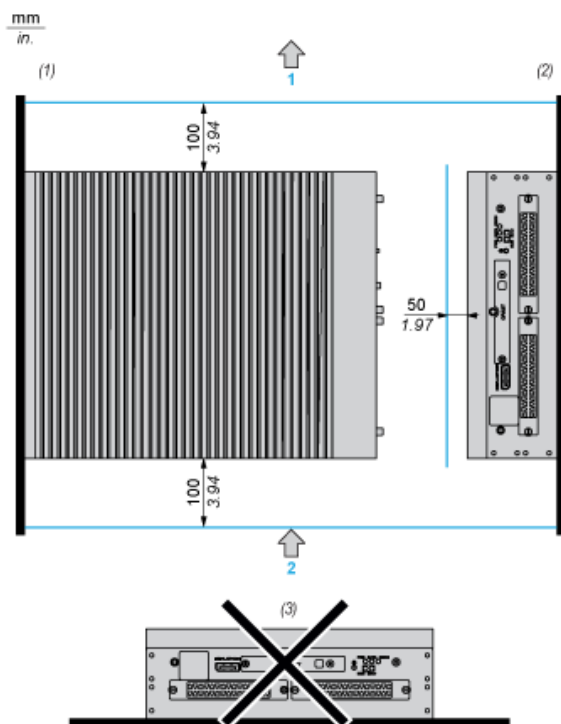
|                            |                                                                                                                              |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------|
| 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