# Product datasheet

Specifications

**Green Premium™**

Modular box PC, Harmony iPC, HMIBM Universal DC Base unit 8 GB 2 slots

HMIBMU0I29D200A

## Main

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|---|---|
| **Range Of Product** | Harmony iPC |
| **Product Or Component Type** | Modular box PC |
| **Device Short Name** | Modular BOX PC Universal |
| **Range Compatibility** | Modular Display HMIDM<br>IDisplay |
| **Accessory / Separate Part Destination** | PC panel on HMIDM modular display |
| **Processor Name** | Intel Celeron 2980U 1.6 GHz |
| **Chipset Type** | Intel QM87 |
| **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

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|---|---|
| **Mounting Location** | Flat mounting<br>Wall mounting<br>Book mounting |
| **Memory Description** | 8 GB RAM DDR3 internal (not expandable)<br>512 KB MRAM internal |
| **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 |
| **Number Of Slots** | 2 slot(s) for mini PCI Express full-size |
| **Number Of Slots Available For Expansion** | 2 slot(s) for mini PCIe |
| **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, connector type: pin, 1 way, circuit application: ground - location: bottom<br>Connector, connector type: SMA, 3 ways - location: top |

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|---|---|
| **Integrated Connection Type** | Display port with 1 on bottom<br>Display port with 1 on front<br>Ethernet with 2 RJ45 I210, transmission rate: 10/100/1000 Mbps on bottom IEEE 1588 supported<br>COM1 serial link for battery backup with 1 male SUB-D 9 RS232/422/485 on bottom<br>USB 2.0 port with 2 USB type A, transmission rate: 480 Mbit/s on bottom<br>USB 3.0 port with 2 USB type A, transmission rate: 5 Gbit/s on bottom<br>TPM connector Ver 1.2 for cyber security - hardware encryption TPM module HMIYMINATPM201 to be installed/default installed on 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 |
| **Impregnation Material** | Conformal coated |
| **Main Type** | Universal |
| **Depth** | 65.2 mm |
| **Height** | 207 mm |
| **Width** | 254 mm |
| **Net Weight** | 3.1 kg |

# Environment

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|---|---|
| **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 conforming to IEC 60529 |
| **Electromagnetic Compatibility** | Immunity to high frequency interference conforming to IEC 61000-4<br>Disturbing field emission class A conforming to EN 55011<br>Conducted and radiated emissions class A conforming to EN 55022 |
| **Ambient Air Temperature For Storage** | -30…70 °C conforming to IEC 60068-2-2<br>-30…70 °C conforming to IEC 60068-2-14 |
| **Relative Humidity** | 10…95 % non-condensing conforming to EN/IEC 60068-2-30 |

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|---|---|
| **Ambient Air Temperature For Operation** | 0…55 °C (by default) conforming to EN/IEC 60068-2-2<br>0…50 °C flat mounting<br>0…45 °C on PCI/PCIe HMIDM modular display with HDD<br>0…40 °C flat mounting on HDD<br>0…40 °C flat mounting on mini PCIe<br>0…40 °C flat mounting on PCI/PCIe<br>0…45 °C conforming to 2 on mini PCIe HMIDM modular display |
| **Operating Altitude** | 2000 m conforming to IEC 60664-1 |
| **Vibration Resistance** | 2 gn (f = 5…500 Hz) SSD or CFast<br>1 gn (f = 5…500 Hz) HDD |

# Packing Units

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|---|---|
| **Unit Type Of Package 1** | PCE |
| **Number Of Units In Package 1** | 1 |
| **Package 1 Height** | 6.5 cm |
| **Package 1 Width** | 20.7 cm |
| **Package 1 Length** | 25.4 cm |
| **Package 1 Weight** | 3.1 kg |
| **Unit Type Of Package 2** | CAR |
| **Number Of Units In Package 2** | 1 |
| **Package 2 Height** | 45.0 cm |
| **Package 2 Width** | 24.5 cm |
| **Package 2 Length** | 43.0 cm |
| **Package 2 Weight** | 5.1 kg |

# Sustainability ![Green Premium]

**Green Premium<sup>TM</sup> label** is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-$CO_2$ products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >

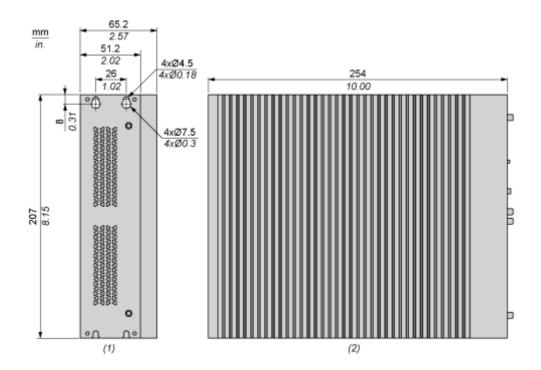Transparency    RoHS/REACh

## Well-being performance

✅ Reach Free Of Svhc

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✅ Mercury Free

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✅ Rohs Exemption Information          Yes

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## Certifications & Standards

**Reach Regulation**                REACh Declaration

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**Eu Rohs Directive**               Pro-active compliance (Product out of EU RoHS legal scope)

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**China Rohs Regulation**           China RoHS declaration

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**Environmental Disclosure**        Product Environmental Profile

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

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**Circularity Profile**             End of Life Information

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Dimensions Drawings

**Dimensions**
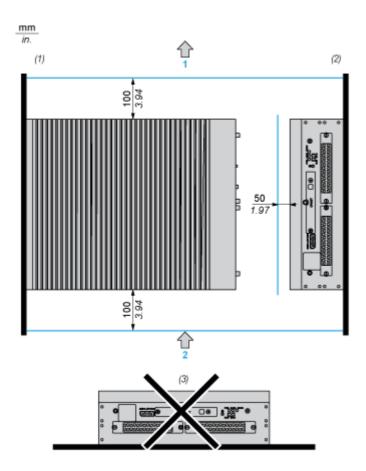


(1)    Rear view

(2)    Left view

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