

Product datasheet

Specifications



Modular box PC, Harmony P6, standard Intel Core i3 8145UE, 2 Core, 4 Threads, for configured products

HMIP63BCTO

Main

| | |
|---------------------------|--|
| Range of product | Harmony P6 |
| Product or component type | Modular box PC |
| Device short name | HMIP63 |
| Operating system | Windows 10 IoT Enterprise 64 bitmulti-language |
| Free slots | 1 Internal SATA HDD/SSD with slide-in storage . 1 M.2 SSD |
| Video controller type | Intel UHD Graphics 620 |

Complementary

| | |
|---------------------------------------|---|
| Range compatibility | IDisplay Harmony P6 Harmony FP6 |
| Accessory / separate part destination | PC panel on Harmony P6 Modular Display |
| Mounting location | Wall mounting Flat mounting Book mounting Panel |
| Processor name | Intel Core i3 8145UE 2.2 GHz turbo boost at 3.9 GHz |
| Integrated connection type | Display port with 1 DP on bottom DP++ Ethernet with 2 RJ45 10 BASE-T/100 BASE-TX/1000 BASE-T, transmission rate: 10/100/1000 Mbps on bottom IEEE 1588 supported COM1 serial link with 1 male SUB-D 9 RS232C, transmission rate: 2400...115200 bps on bottom USB 2.0 port with 2 USB type A, transmission rate: 480 Mbit/s on bottom USB 3.0 port with 2 USB type A, transmission rate: 5 Gbit/s on bottom USB 3.0 port with 1 USB type C, transmission rate: 5 Gbit/s on bottom TPM (Trusted Platform Module version 2) for cyber security - hardware encryption TPM module by default on motherboard |
| Memory description | 8 GB, expandable to 64 GB RAM DDR4 internal in 2 slot(s) |
| Number of slots | 1 slot(s) for optional interfaceslot-IN |
| Display resolution | 4096 x 2304 pixels at 60 Hz |
| Watchdog timer | 1...255 ms |
| Type of cooling | Fanless |
| Electrical connection | Terminal block - location: bottom |
| [Us] rated supply voltage | 24 V DC power supply 100...240 V DC power supply |
| Supply voltage limits | 18...31.2 V 85...264 V |

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|--|---|
| Inrush current | 30 A |
| Power consumption in W | 87 W 99 VA |
| Cyber secured boot | Secure password boot UEFI |
| Software package | Node-RED pre-installed EcoStruxure machine SCADA expert run time (on configured offer) EcoStruxure Operator Terminal Expert run time (on configured offer) AVEVA system platform installer (on configured offer) EcoStruxure Secure Connect Advisor (license to be purchased separately) EcoStruxure augmented operator advisor (license to be purchased separately) Stratus EverRun (exchange partner) (license to be purchased separately) McAfee (license to be purchased separately) |
| Control type | ON push-button |
| Local signalling | 2 LEDs power: (LED), green, orange and red |
| Width | 250 mm |
| Height | 165 mm |
| Depth | 53 mm |
| Product weight | 2.5 kg |
| Environment | |
| IP degree of protection | IP20 conforming to IEC 61131-2 |
| NEMA degree of protection | NEMA 4X/13 |
| Standards | Level 3 EN/IEC 61000-4-2 IEC 61000-4-4 EN/IEC 61131-2 FCC part 15 Class I division 2 UL 61010-2-201 |
| Product certifications | CE CULus CSA UL 61010-2-201 RCM UKCA DNV (DC model without HDD/fan/ EtherCAT card/22" wide display with expansion slot) |
| Ambient air temperature for operation | 0...55 °C wall mounting (without HDD) side conforming to EN/IEC 60068-2-2 0...55 °C book mounting (without HDD) side 0...50 °C flat mounting (without HDD) top 0...50 °C book mounting (without HDD) top 0...40 °C wall mounting (with HDD) side 0...40 °C book mounting (with HDD) side 0...40 °C flat mounting (with HDD) top 0...40 °C book mounting (with HDD) top 0...55 °C panel (without HDD) landscape 0...50 °C panel (without HDD) portrait 0...40 °C panel (with HDD) landscape 0...40 °C panel (with HDD) portrait |
| Ambient air temperature for storage | -30...70 °C |
| Pollution degree | 2 |
| Relative humidity | 10...90 % non-condensing |
| Operating altitude | 2000 m |
| Vibration resistance | 9.8 m/s ² (f = 9...150 Hz) M.2 SSD conforming to IEC 61131-2 9.8 m/s ² (f = 9...150 Hz) SSD conforming to IEC 61131-2 4.9 m/s ² (f = 9...150 Hz) HDD conforming to IEC 61131-2 |
| Shock resistance | 147 m/s ² X, Y, Z directions for 3 times conforming to IEC 61131-2 |
| Quality labels | CE |
| Directives | 2014/35/EU - low voltage directive 2014/30/EU - electromagnetic compatibility |
| Main type | Standard |
| Number of slots available for expansion | 1 slot(s) for optional interface 1 slot(s) for M.2 SSD 1 slot(s) for 2.5 inch HDD/SSD |

Packing Units

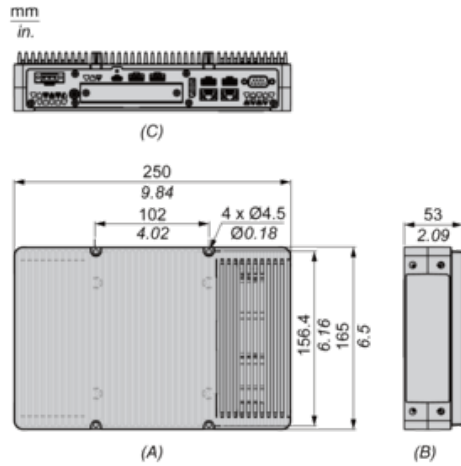
| | |
|------------------------------|---------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 15.5 cm |
| Package 1 Width | 28.0 cm |
| Package 1 Length | 39.0 cm |
| Package 1 Weight | 3.5 kg |

Offer Sustainability

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|----------------------------|---|
| REACH Regulation | REACH Declaration |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration |
| Mercury free | Yes |
| RoHS exemption information | Yes |
| China RoHS Regulation | China RoHS declaration |

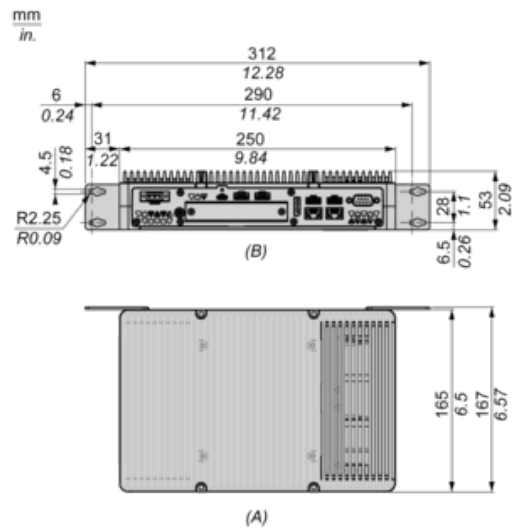
Dimensions

External Dimensions



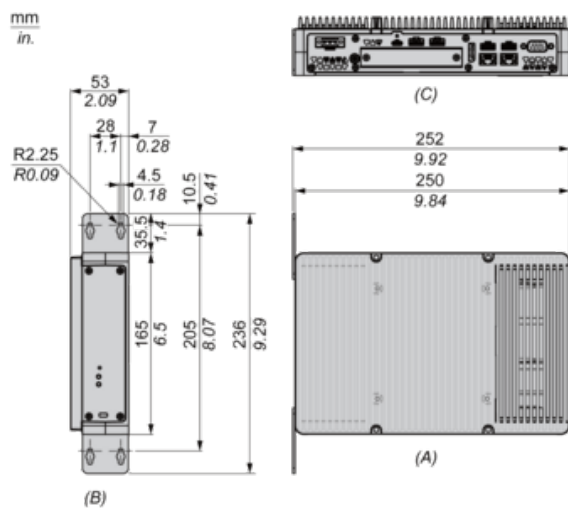
- (A) : Front
- (B) : Left
- (C) : Bottom

Dimensions with Book Mount Adapter (Top)



- (A) : Front
- (B) : Bottom

Dimensions with Book Mount Adapter (Side)



- (A) : Front
- (B) : Right
- (C) : Bottom

Recommended replacement(s)