

Product datasheet

Specifications



Box PC Universal - Flash Disk 5 years of warranty-DC- 1 slot-500 I/O-fanless

HMIBUFND1PF1

⚠ Discontinued on: Jun 30, 2016

⚠ End-of-service on: Dec 31, 2020

⚠ Discontinued

Main

Range of product	Harmony iPC
Product or component type	Operator dialogue terminal
Device short name	BOX PC Universal
Range compatibility	Harmony iDisplay
Compatibility code	BOX PC Universal
Processor name	Atom N270 1.66 GHz cache 512 KB
Chipset type	Intel 945GME
Video controller type	Intel Graphics Media Accelerator 950, 224Mb
Operating system	MS Windows XP Professional Edition SP3multi-language
Software package	Vijeo Designer run time demo Vijeo Citect client/server, 500 I/O

Complementary

Data storage equipment	60 GB Flash disk SSD MLC for 2000000 h
Port Ethernet	10BASE-T/100BASE-T/1000BASE-T
Memory description	2 GB RAM DDR2 internal (not expandable) SDRAM saved memory
Number of slots	1 slot(s) for PCI
Type of cooling	Fanless
Integrated connection type	Ethernet TCP/IP with 2 RJ45 DVI-I video port DVI-I COM1 serial link male SUB-D 9 RS232C, transmission rate: 115 kbauds COM2 serial link male SUB-D 9 RS232C, transmission rate: 115 kbauds DVI-I video port (optional) DVI-I COM3 serial link (optional) male SUB-D 10 RS232/422/485, transmission rate: 115 kbauds USB 2.0 port USB type A, transmission rate: 480 Mbit/s on front panel USB 2.0 port with 4 USB type A, transmission rate: 480 Mbit/s on top panel
[Us] rated supply voltage	24 V DC power supply
Supply voltage limits	18...30 V
[In] rated current	6 A
Inrush current	7 A
Control type	ON/OFF push-button (equipment ON and OFF) Push-button (reset)
Main type	Universal

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

Height	270 mm
width	260 mm
Net weight	2.2 kg

Environment

Standards	CSA C22.2 No 142 ANSI/ISA 12-12-01 UL 1604 UL 508 Class I division 2 CSA C22.2 No 213
Product certifications	CE CULus ATEX zone 22 dust C-Tick GOST GL
Pollution degree	2 conforming to EN 61131-2 Ed.3
Electromagnetic compatibility	Immunity to high frequency interference conforming to EN 61131-2 Ed.3
Ambient air temperature for storage	-20...60 °C conforming to IEC 60068-2-2 test Ab -20...60 °C conforming to IEC 60068-2-2 test Bb -20...60 °C conforming to IEC 60068-2-14 test Na
Relative humidity	10...85 % conforming to IEC 60068-2-30 test Db
Ambient air temperature for operation	0...50 °C (vertical installation) conforming to EN 61131-2 Ed.3
Operating altitude	2000 m conforming to EN 61131-2 Ed.3
Vibration resistance	1.75 mm (f = 2...9 Hz) continuous conforming to IEC 60068-2-6 3.5 mm (f = 2...9 Hz) intermittently conforming to IEC 60068-2-6 0.5 gn (f = 9...200 Hz) continuous conforming to IEC 60068-2-6 1 gn (f = 9...200 Hz) intermittently conforming to IEC 60068-2-6

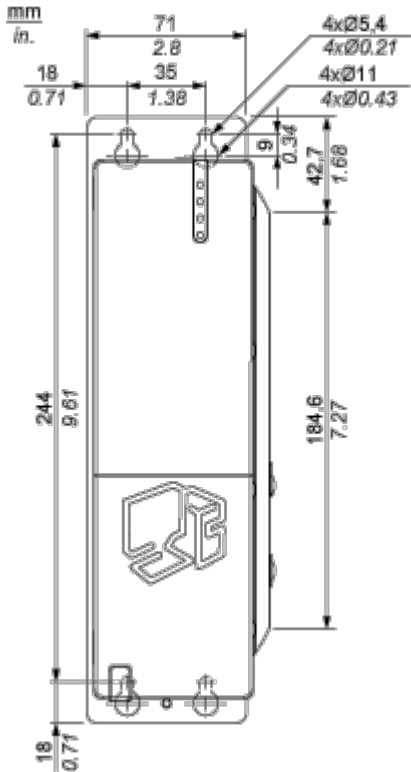
Contractual warranty

Warranty	18 months
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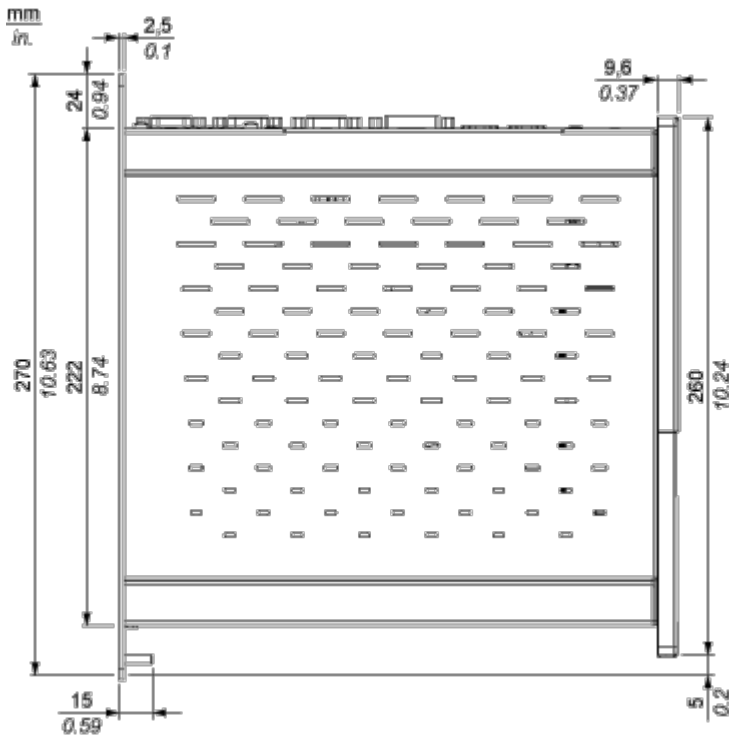
Dimensions Drawings

Dimensions

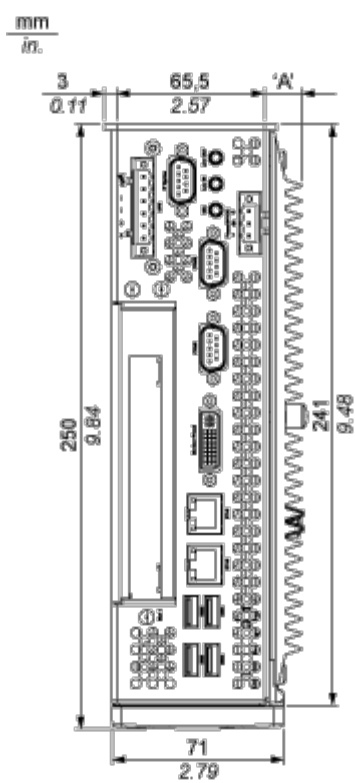
Front view



Side view



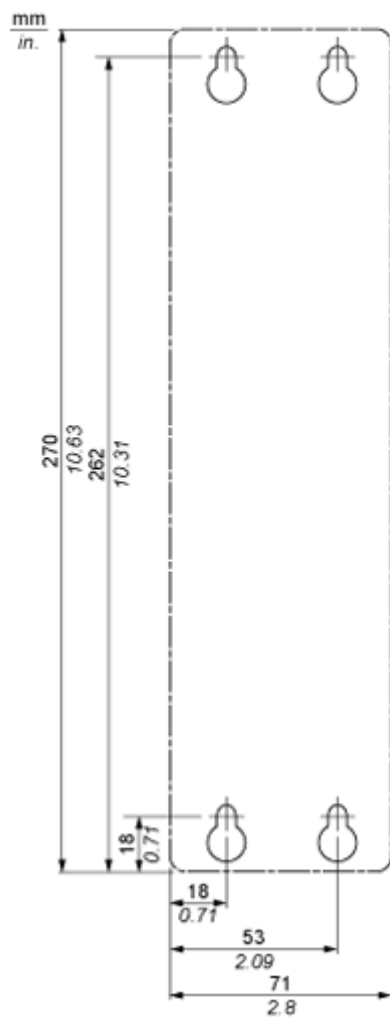
Top view



Mounting and Clearance

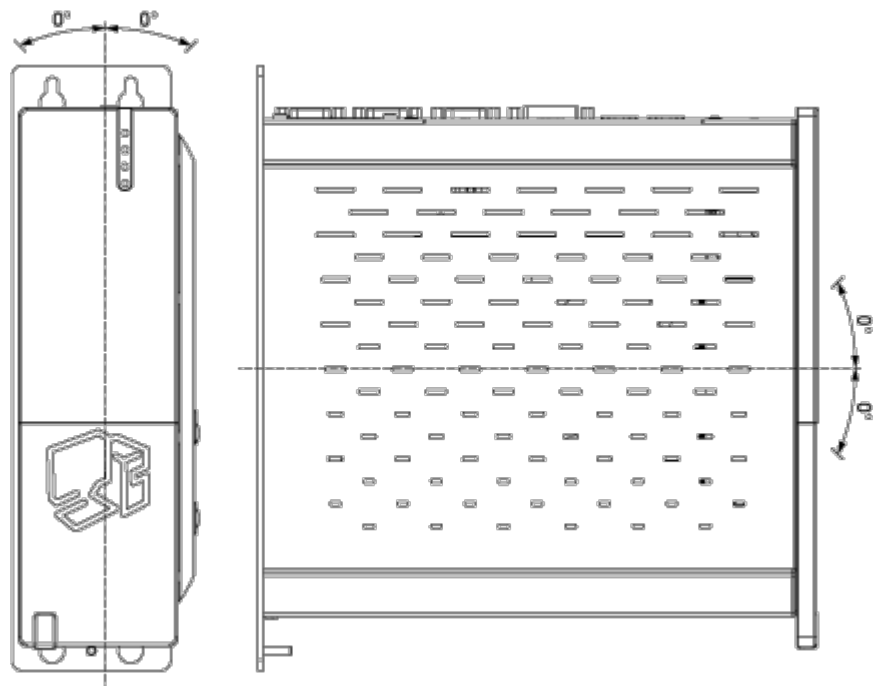
Mounting

Plate Designed for M5 Screws



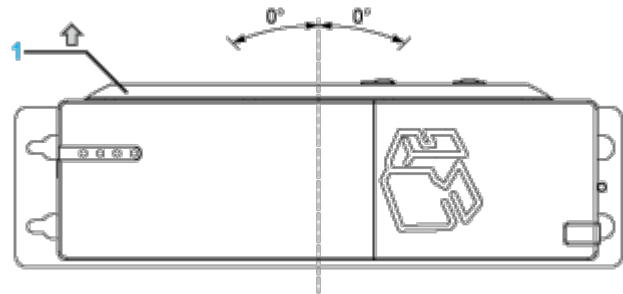
Mounting angle

Standard mounting - vertical



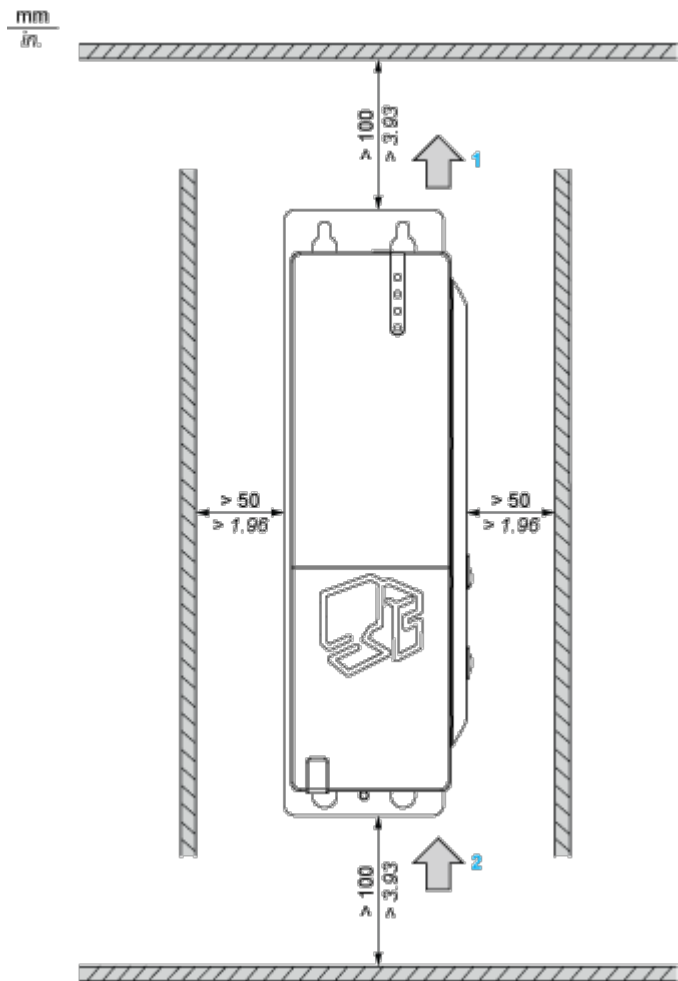
Optional mounting - flat

The maximum ambient temperature specification must be lowered by 5 °C (41 °F).
For fanless models, a fan kit needs to be ordered separately.



1 Heat sink

Spacing Requirements for Air Circulation



- 1 Air out
- 2 Air in