

Product data sheet

Specifications



Panel PC Universal - Flash Disk - 19" - AC - 2 slots - 500I/O - fanless

HMIPUF9A2PF1

⚠ Discontinued on: Jun 30, 2016

⚠ End-of-service on: Dec 31, 2020

⚠ Discontinued

Main

Range Of Product	Harmony iPC
Product Or Component Type	PC panel
Processor Name	Atom N270 1.66 GHz L2 cache 512 KB
Chipset Type	Intel 945GME at 533 MHz
Display Size	19 inch
Display Colour	16 million colours
Luminance	300 cd/m²
Drive Type	DVD-RW
Video Controller Type	Intel Graphics Media Accelerator (GMA) 950, 224 MB
Operating System	MS Windows XP Professional Edition SP3multi-language
Software Package	Vijeo Designer run time demo Vijeo Citect client/server, 500 I/O
Bezel Material	Aluminium alloy

Complementary

Terminal Type	Touchscreen display
Data Storage Equipment	>= 60 GB Flash disk SSD with MLC technology 2000000 h mtfb
Display Type	Active matrix colour TFT LCD with LED backlight
Display Resolution	1280 x 1024 pixels SXGA
View Angle Horizontal X Vertical	160 x 100°
Touch Panel	Analogue resistive
Memory Type	512 KB SRAM 2 GB RAM DDR3
Type Of Cooling	Fanless
Integrated Connection Type	2 Ethernet TCP/IP - RJ45 DVI-I video port - DVI-I COM1 serial link - male SUB-D 9 - RS232C (rate: 115 kbit/s) COM2 serial link - male SUB-D 9 - RS232C (rate: 115 kbit/s)
Port Ethernet	10BASE-T/100BASE-T/1000BASE-T
Number Of Slots	1 PCI 1 PCI express
[Us] Rated Supply Voltage	100...240 V AC power supply
Supply Voltage Limits	85...265 V

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

Network Frequency	50...60 Hz 47...63 Hz
[In] Rated Current	1.6 A
Inrush Current	40 A
Power Consumption In W	130 W
Material	Treated steel
Display Material	Polyethylene sheet
Fixing Mode	Enclosure door: by fixing kit (fasteners included) Panel: by fixing kit (fasteners included)
Type Of Installation	Indoor
Control Type	ON/OFF push-button (equipment ON and OFF) Push-button (reset)
Local Signalling	LED (multi-colour) for power LED (yellow) for accessing Flash disk SSD (DISK)
Width	480 mm
Height	380 mm
Depth	153 mm
Cut-Out Dimensions	459.5 (+/- 0.5) x 359.5 (+/- 0.5) x 1.6...10 mm
Net Weight	15.48 kg
Main Type	Universal

Environment

Ip Degree Of Protection	IP65 front panel: conforming to EN/IEC 60529
Nema Degree Of Protection	NEMA 4X front panel
Product Certifications	Marine GL Bridge with line filter HMIYLFIMAR11 CULus 508 CULus CSA 22-2 No 142 CULus HazLoc Class I Division 2 UL 1604 CULus HazLoc Class I Division 2 ANSI/ISA 12-12-01 CULus HazLoc Class I Division 2 CSA 22-2 No 213 GOST CE C-Tick
Pollution Degree	2 conforming to EN/IEC 61131-2
Electromagnetic Compatibility	Immunity to electromagnetic emissions, class A conforming to EN 55022 Immunity to electromagnetic emissions, class A conforming to EN 55011 Immunity to high frequency interference conforming to EN/IEC 61131-2 Immunity to high frequency interference conforming to EN/IEC 61000-4-x
Ambient Air Temperature For Operation	0...50 °C vertical installation conforming to UL 508 0...50 °C vertical installation conforming to EN/IEC 61131-2 0...45 °C vertical installation when using RAID option conforming to EN/IEC 61131-2 0...45 °C vertical installation when using RAID option conforming to UL 508 5...45 °C vertical installation when using DVD writer conforming to EN/IEC 61131-2 5...45 °C vertical installation when using DVD writer conforming to UL 508
Ambient Air Temperature For Storage	-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 EN/IEC 60068-2-78 10...85 % conforming to EN/IEC 60068-2-30
Operating Altitude	2000 m conforming to EN/IEC 61131-2

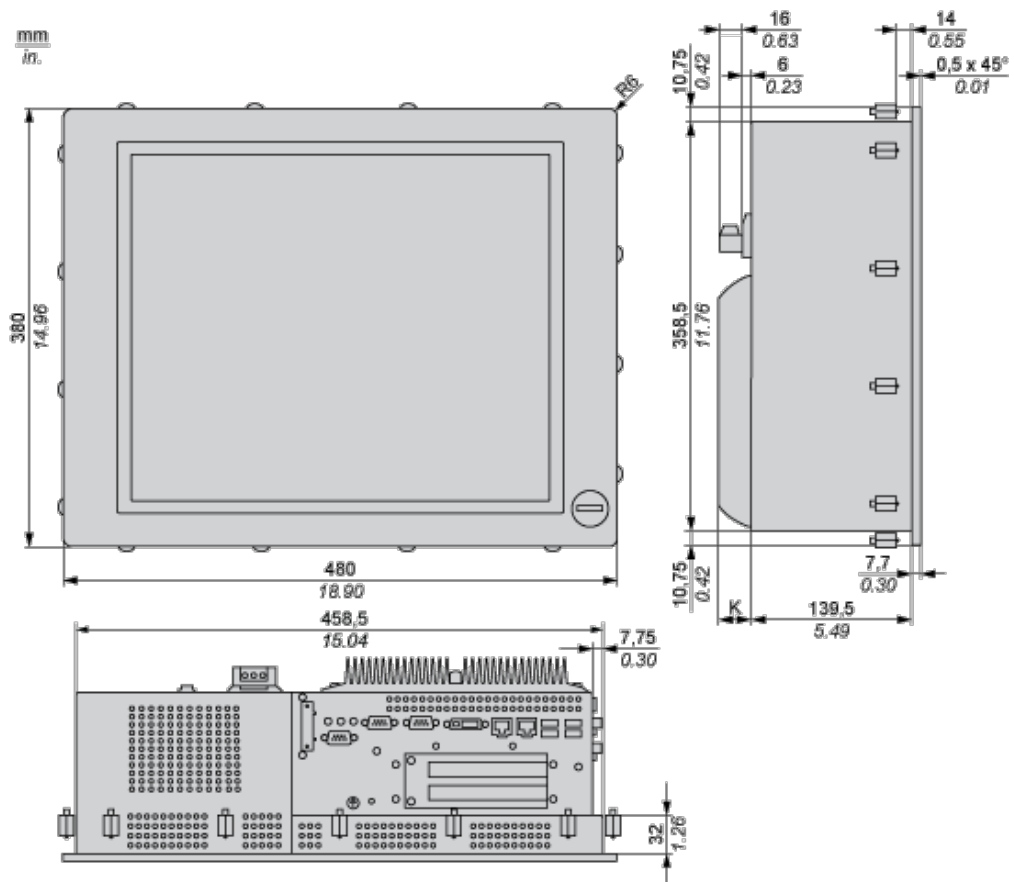
Vibration Resistance	1.75 mm (f = 2...9 Hz) continuous conforming to EN/IEC 60068-2-6 Fc
	3.5 mm (f = 2...9 Hz) intermittently conforming to EN/IEC 60068-2-6 Fc
	0.5 gn (f = 9...200 Hz) continuous conforming to EN/IEC 60068-2-6 Fc
	1 gn (f = 9...200 Hz) intermittently conforming to EN/IEC 60068-2-6 Fc
	1 mm (f = 3...13.2 Hz) continuous conforming to EN/IEC 60068-2-6 Fc
	0.7 gn (f = 13.2...100 Hz) continuous conforming to EN/IEC 60068-2-6 Fc
Shock Resistance	15 gn for 11 ms conforming to IEC 60068-2-27, Ea tests

Contractual warranty

Warranty	18 months
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Dimensions Drawings

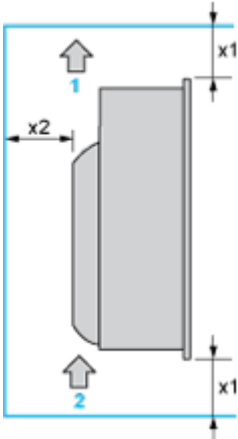
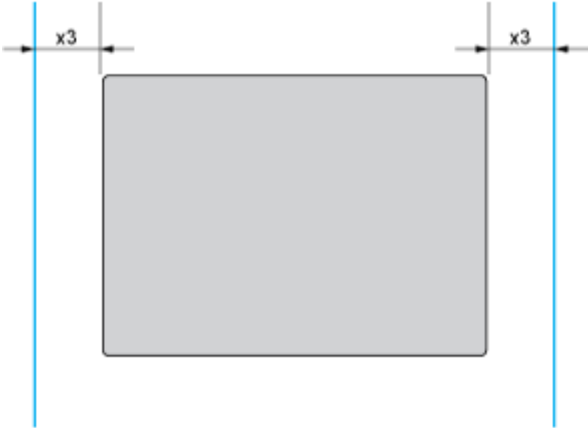
Dimensions



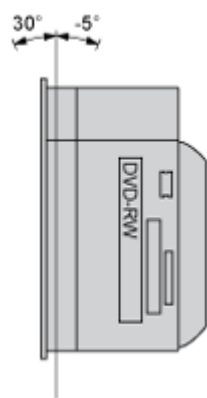
K: 12.8 mm / 0.50 in.

Mounting and Clearance

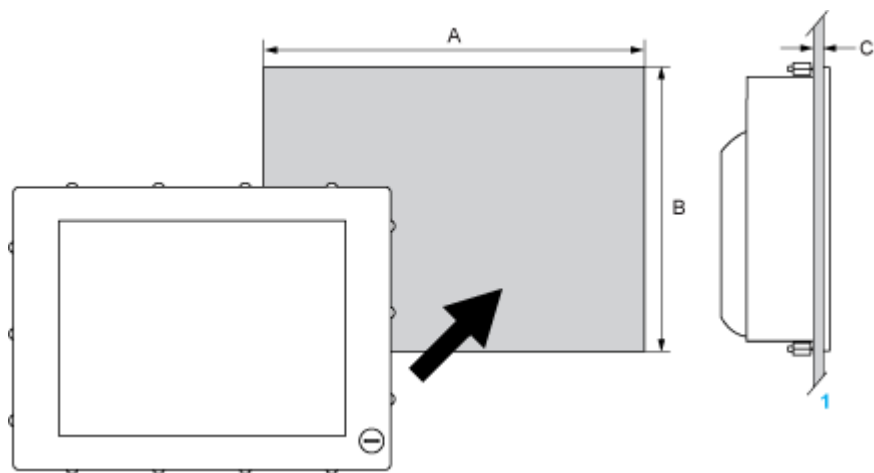
Spacing Requirements

Top, Bottom and Rear Sides	Left and Right Sides
 1 Air out 2 Air in	
x1 > 100 mm (3.93 in.) x2 > 50 mm (1.96 in.) x3 > 10 mm (0.39 in.)	

Mounting Orientation



Panel Cut Dimensions



1 Installation panel

A	B	C
459.5 ± 0.5 mm (18.09 ± 0.02 in.)	359.5 ± 0.5 mm (14.15 ± 0.02 in.)	1.6...10 mm (0.06...0.39 in.)