

Product datasheet

Specifications



Panel PC Performance - Flash Disk - 19' - AC - 2 slots - 500 I/O- fan

HMIPPF9A27F1

⚠ 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	Core 2 Duo P8400 2.26 GHz cache 6 MB
Chipset type	Intel GM45 at 1.066 GHz
display size	19 inch
Display colour	16 million colours
Luminance	300 cd/m ²
Drive type	DVD-RW
Video controller type	Intel Graphics Media Accelerator (GMA) 4500MHD, 384 MB
Operating system	Windows 7 64 bits Ultimatemulti-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 4 GB RAM DDR3
Type of cooling	Fan
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) USB 2.0 type A (rate: 480 Mbit/s)front panel 4 USB 2.0 type A (rate: 480 Mbit/s)top panel
Port Ethernet	10BASE-T/100BASE-T/1000BASE-T
Number of slots	1 PCI 1 PCI express 4x
[Us] rated supply voltage	100...240 V AC power supply

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

Supply voltage limits	85...265 V
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	168 mm
Cut-out dimensions	459.5 (+/- 0.5) x 359.5 (+/- 0.5) x 1.6...10 mm
Net weight	16.56 kg
Main type	Performance

Environment

IP degree of protection	IP65 front panel: conforming to EN/IEC 60529
NEMA degree of protection	NEMA 4X front panel
Product certifications	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

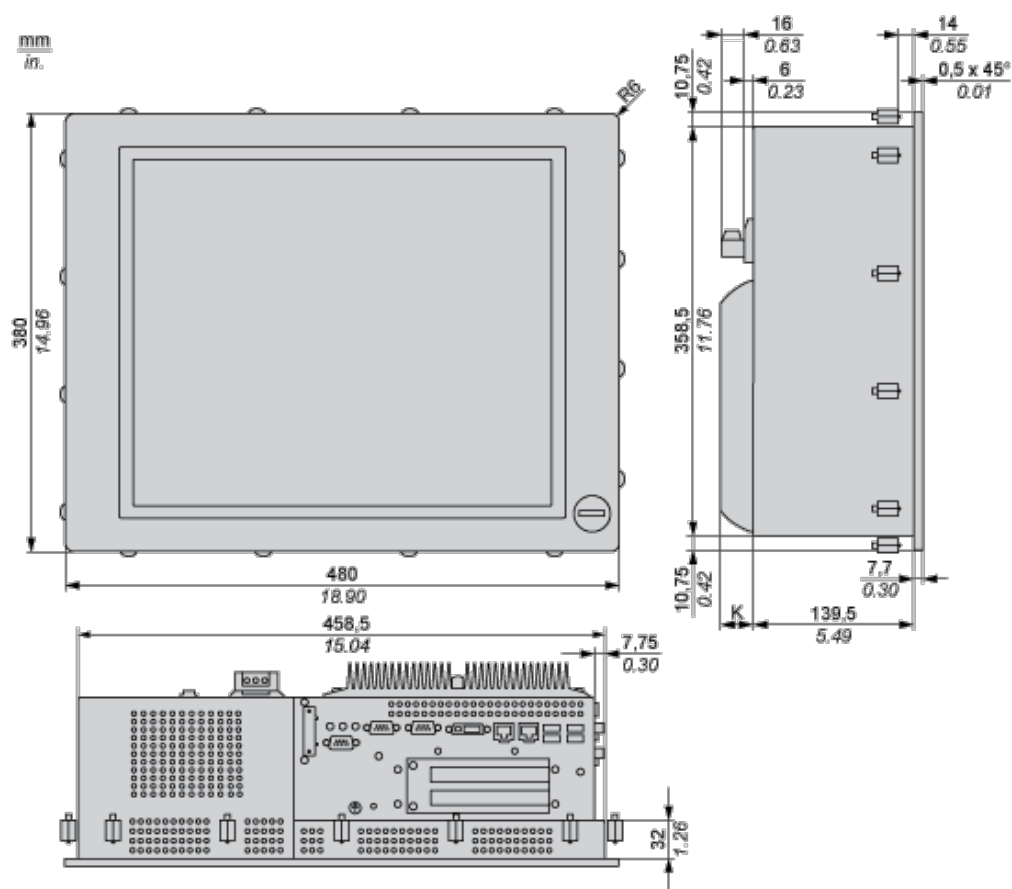
Vibration resistance	1.75 mm (f = 2...9 Hz) continuous conforming to EN/IEC 60068-2-6 Fc
	3.5 mm (f = 2...9 Hz) intermittently conforming to EN/IEC 60068-2-6 Fc
	0.5 gn (f = 9...200 Hz) continuous conforming to EN/IEC 60068-2-6 Fc
	1 gn (f = 9...200 Hz) intermittently conforming to EN/IEC 60068-2-6 Fc
	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

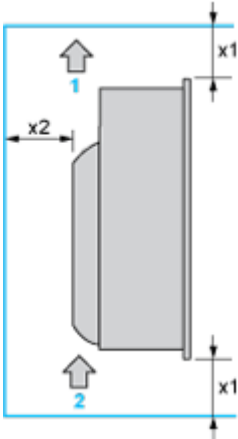
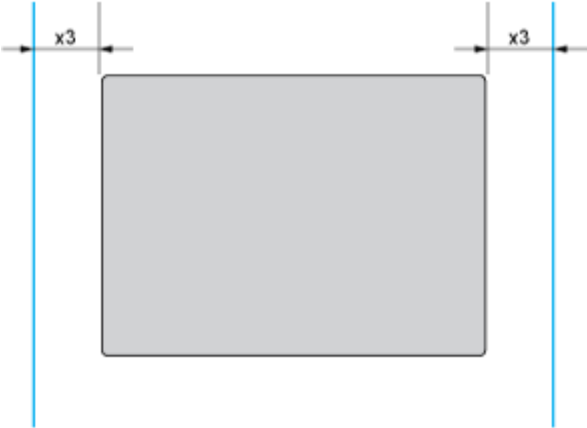
Dimensions



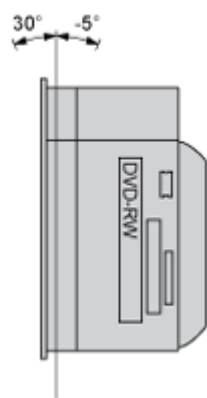
K : 28 mm / 1.10 in.

Mounting and Clearance

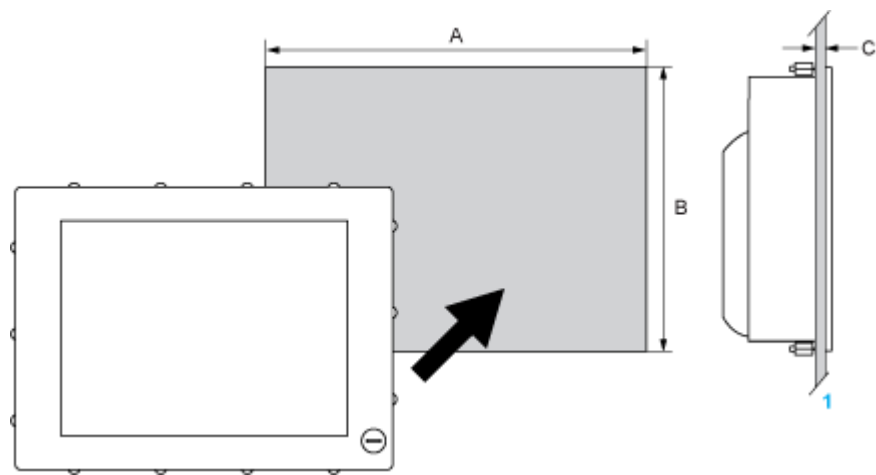
Spacing Requirements

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.)