

Product datasheet

Specifications



Panel PC Optimum - Compact Flash - 15" - DC - Fanless

HMIPWC7D0E01

⚠ Discontinued on: 30-Jun-2016

⚠ End-of-service on: 30-Jun-2022

⚠ Discontinued

Main

Range of product	Harmony iPC
Product or component type	PC panel
Terminal type	Touchscreen display
Processor name	Atom Z510 1.1 GHz cache
Chipset type	Intel US15W at 400 MHz
Data storage equipment	Compact Flash card 2 GB with SLC
Number of slots available for expansion	1 slot(s) for Compact Flash card 1 slot(s) for SD card
display size	15 inch
Display type	Active matrix colour TFT LCD with LED backlight
display resolution	1024 x 768 pixels XGA
Display colour	16 million colours

Complementary

Luminance	350 cd/m ²
View angle horizontal x vertical	160 x 100°
Touch panel	Analogue resistive
Memory type	1 GB RAM DDR2 512 KB SRAM
Video controller type	Intel Graphics Media Accelerator (GMA) 500, 256 MB
Integrated connection type	2 Ethernet TCP/IP - RJ45 10BASE-T/100BASE-T/1000BASE-T COM1 serial link - male SUB-D 9 - RS232C - 115 kbauds USB 2.0 port - USB type A - 480 Mbit/s front panel 2 USB 2.0 port - USB type A - 480 Mbit/s top
Operating system	Windows Embedded Standard WES2009 - English Windows Embedded Standard WES2009 - French Windows Embedded Standard WES2009 - German Windows Embedded Standard WES2009 - Italian Windows Embedded Standard WES2009 - Spanish Windows Embedded Standard WES2009 - Swedish Windows Embedded Standard WES2009 - Chinese Windows Embedded Standard WES2009 - Portuguese Windows Embedded Standard WES2009 - Russian
Software package	Vijeo Citect web client .NET Framework 3.5 Vijeo Designer run time demo Viewer Word/Excel/Power Point Internet Explorer Adobe PDF and multimedia reader

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

[Us] rated supply voltage	24 V DC (power supply)
Supply voltage limits	18...30 V
[In] rated current	1.875 A
Inrush current	3 A
power consumption in W	36 W
Bezel material	Aluminium alloy
Enclosure material	Treated steel
Display material	Polyethylene sheet
Fixing mode	Enclosure door: by fixing kit (fasteners included) Panel: by fixing kit (fasteners included)
Control type	ON/OFF push-button (equipment ON and OFF) Push-button (reset)
Local signalling	Accessing CF system card (DISK): LED (yellow) Power: multi-colour LED (-)
Width	402 mm
Height	301 mm
Depth	72 mm
Net weight	6.04 kg

Environment

IP degree of protection	IP65 (front panel (indoor use)) conforming to EN/IEC 61131-2
NEMA degree of protection	NEMA 4X front panel (indoor use)
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 CE C-Tick GOST
Pollution degree	2 conforming to EN/IEC 61131-2
Electromagnetic compatibility	Immunity to high frequency interference conforming to EN/IEC 61131-2 Immunity to high frequency interference conforming to EN/IEC 61000-4-x Immunity to electromagnetic emissions conforming to EN 55022 class A Immunity to electromagnetic emissions conforming to EN 55011 class A
Ambient air temperature for operation	0...50 °C vertical installation conforming to EN/IEC 61131-2 0...50 °C vertical installation 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 60068-2-30 Db 10...85 % conforming to EN/IEC 60068-2-78
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

Packing Units

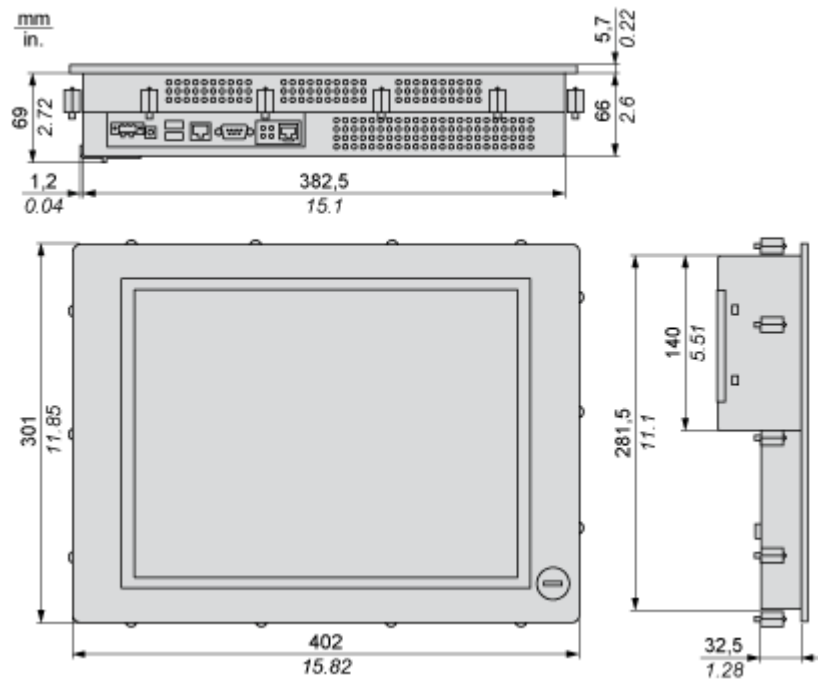
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	36.5 cm
Package 1 Width	46 cm
Package 1 Length	56.5 cm
Package 1 Weight	6.045 kg

Contractual warranty

Warranty	18 months
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Dimensions Drawings

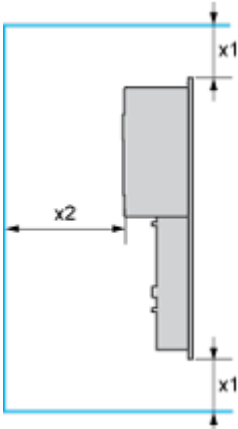
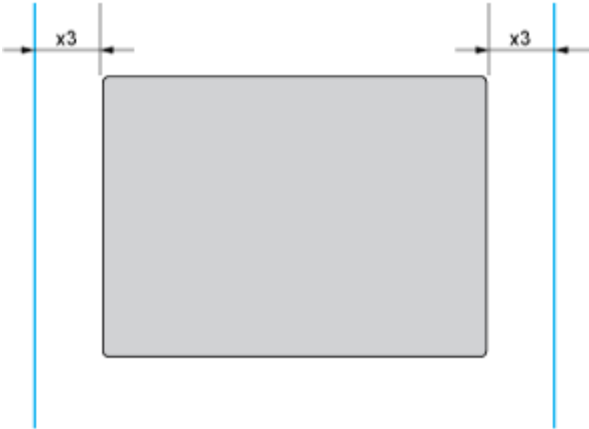
Dimensions



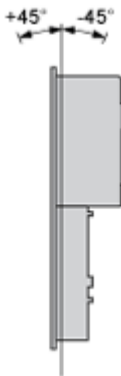
Mounting and Clearance

Mounting Information

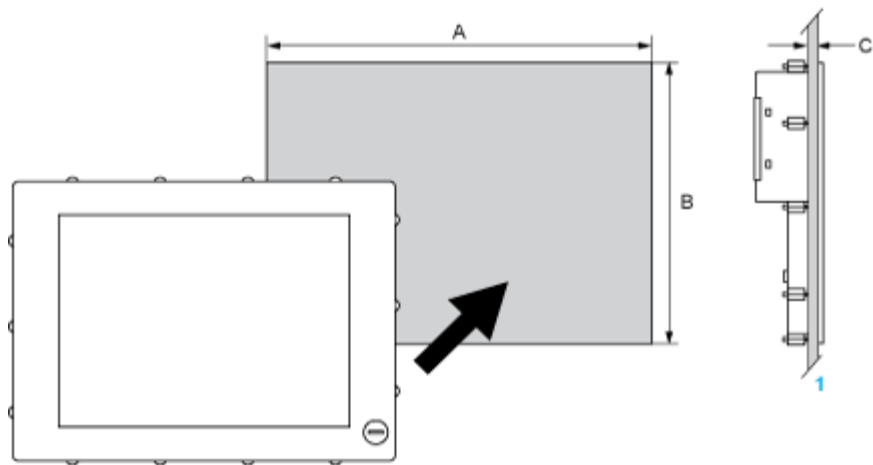
Spacing Requirements

Side View	Rear View
	
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
383.5 + 1/- 0 mm (15.10 + 0.04/- 0 in.)	282.5 + 1/- 0 mm (11.12 + 0.04/- 0 in.)	1.6...10 mm (0.06...0.39 in.)