

# Product datasheet

Specifications



## PC panel, Harmony iPC, Performance, Hard Disk, 19", DC, 2 slots, fan

HMIPPH9D2701

⚠ Discontinued on: Jul 7, 2021

⚠ 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 <sup>2</sup>                                  |
| 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                           |
| Bezel material            | Aluminium alloy                                        |

### Complementary

|                                  |                                                                                                                                                                                                                                                                                    |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Terminal type                    | Touchscreen display                                                                                                                                                                                                                                                                |
| Data storage equipment           | 500 GB enterprise hard disk                                                                                                                                                                                                                                                        |
| 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<br>4 GB RAM DDR3                                                                                                                                                                                                                                                       |
| type of cooling                  | Fan                                                                                                                                                                                                                                                                                |
| Integrated connection type       | 2 Ethernet TCP/IP - RJ45<br>DVI-I video port - DVI-I<br>COM1 serial link - male SUB-D 9 - RS232C (rate: 115 kbauds)<br>COM2 serial link - male SUB-D 9 - RS232C (rate: 115 kbauds)<br>USB 2.0 type A (rate: 480 Mbit/s)front panel<br>4 USB 2.0 type A (rate: 480 Mbit/s)top panel |
| Number of slots                  | 1 PCI<br>1 PCI express 4x                                                                                                                                                                                                                                                          |
| [Us] rated supply voltage        | 24 V DC power supply                                                                                                                                                                                                                                                               |
| Supply voltage limits            | 18...30 V                                                                                                                                                                                                                                                                          |
| [In] rated current               | 6.7 A                                                                                                                                                                                                                                                                              |

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

|                        |                                                                                                 |
|------------------------|-------------------------------------------------------------------------------------------------|
| Inrush current         | 7 A                                                                                             |
| Power consumption in W | 130 W                                                                                           |
| Display material       | Polyethylene sheet                                                                              |
| Fixing mode            | Enclosure door: by fixing kit (fasteners included)<br>Panel: by fixing kit (fasteners included) |
| Control type           | ON/OFF push-button (equipment ON and OFF)<br>Push-button (reset)                                |
| Local signalling       | Multi-colour LED for power<br>LED for accessing hard disk (DISK)                                |
| width                  | 480 mm                                                                                          |
| Height                 | 380 mm                                                                                          |
| Depth                  | 168 mm                                                                                          |
| Net weight             | 16.02 kg                                                                                        |
| Main type              | Performance                                                                                     |

## Environment

|                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| IP degree of protection               | IP65 conforming to EN/IEC 61131-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| NEMA degree of protection             | NEMA 4X                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Product certifications                | CULus 508<br>CULus CSA 22-2 No 142<br>CULus HazLoc Class I Division 2 UL 1604<br>CULus HazLoc Class I Division 2 ANSI/ISA 12-12-01<br>CULus HazLoc Class I Division 2 CSA 22-2 No 213<br>GOST<br>CE<br>C-Tick                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Pollution degree                      | 2 conforming to EN/IEC 61131-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Electromagnetic compatibility         | Immunity to high frequency interference conforming to EN/IEC 61131-2<br>Immunity to high frequency interference conforming to EN/IEC 61000-4-x<br>Immunity to electromagnetic emissions conforming to EN 55022 class A<br>Immunity to electromagnetic emissions conforming to EN 55011 class A                                                                                                                                                                                                                                                                                                                                                                                                 |
| Ambient air temperature for operation | 0...50 °C vertical installation conforming to UL 508<br>0...45 °C vertical installation when using Gigabit Ethernet with HDD storage device conforming to UL 508<br>0...50 °C vertical installation conforming to EN/IEC 61131-2<br>0...45 °C vertical installation when using RAID option conforming to EN/IEC 61131-2<br>0...45 °C vertical installation when using RAID option conforming to UL 508<br>5...45 °C vertical installation when using DVD writer conforming to EN/IEC 61131-2<br>5...45 °C vertical installation when using DVD writer conforming to UL 508<br>0...45 °C vertical installation when using Gigabit Ethernet with HDD storage device conforming to EN/IEC 61131-2 |
| Ambient air temperature for storage   | -20...60 °C conforming to IEC 60068-2-2 test Bb<br>-20...60 °C conforming to IEC 60068-2-14 test Na                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Relative humidity                     | 10...85 % conforming to EN/IEC 60068-2-78<br>10...85 % conforming to EN/IEC 60068-2-30 Db                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Operating altitude                    | 2000 m conforming to EN/IEC 61131-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Vibration resistance                  | 1 mm (f = 3...13.2 Hz) continuous conforming to EN/IEC 60068-2-6 Fc<br>0.7 gn (f = 13.2...100 Hz) continuous conforming to EN/IEC 60068-2-6 Fc<br>0.125 gn (f = 5...100 Hz) continuous conforming to EN/IEC 60068-2-6 Fc<br>0.250 gn (f = 5...100 Hz) intermittently 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 |
|------------------------|-----|

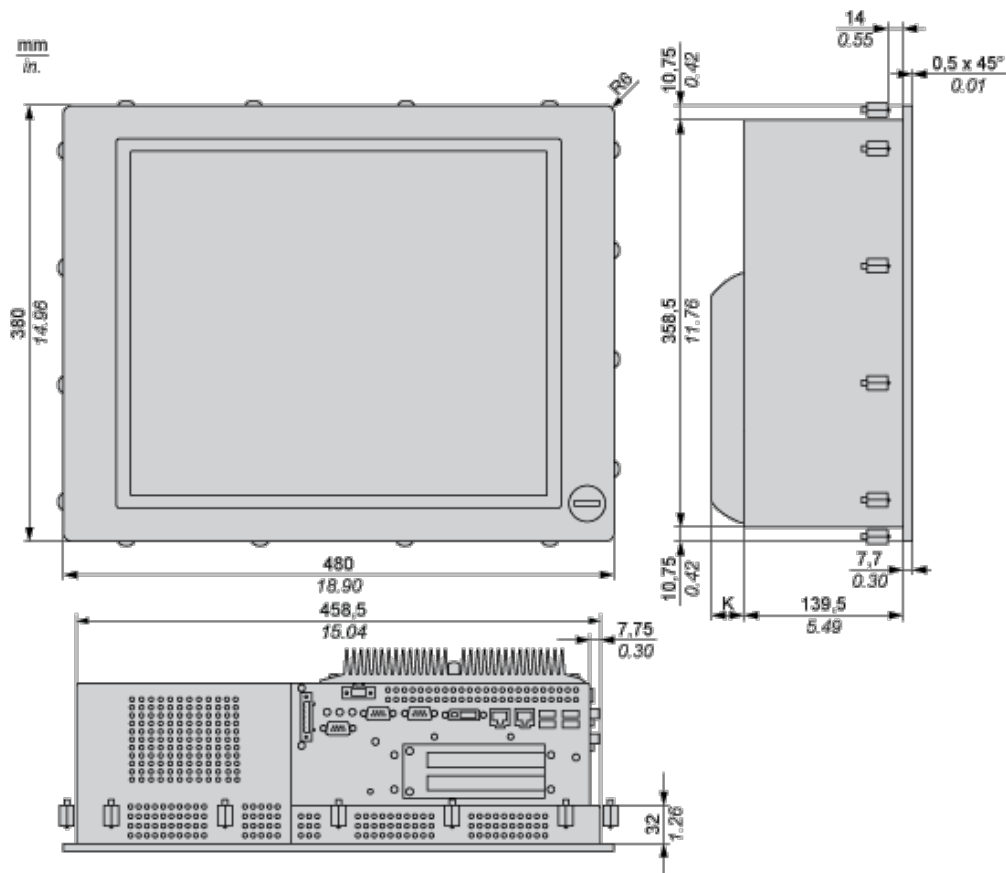
|                              |           |
|------------------------------|-----------|
| Number of Units in Package 1 | 1         |
| Package 1 Height             | 37.5 cm   |
| Package 1 Width              | 50.5 cm   |
| Package 1 Length             | 60 cm     |
| Package 1 Weight             | 16.022 kg |

## Contractual warranty

|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

Dimensions Drawings

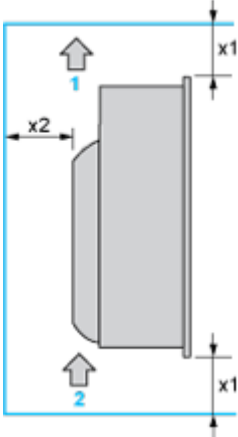
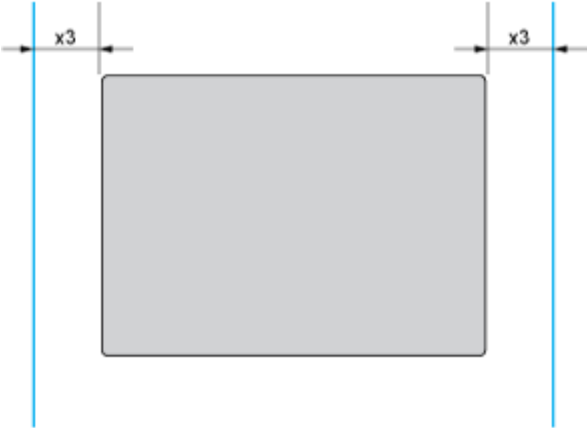
Dimensions



K : 28 mm / 1.10 in.

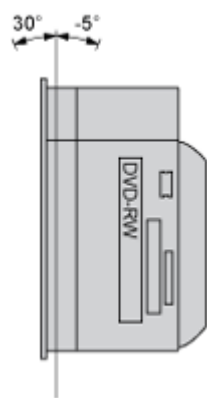
Mounting and Clearance

Spacing Requirements

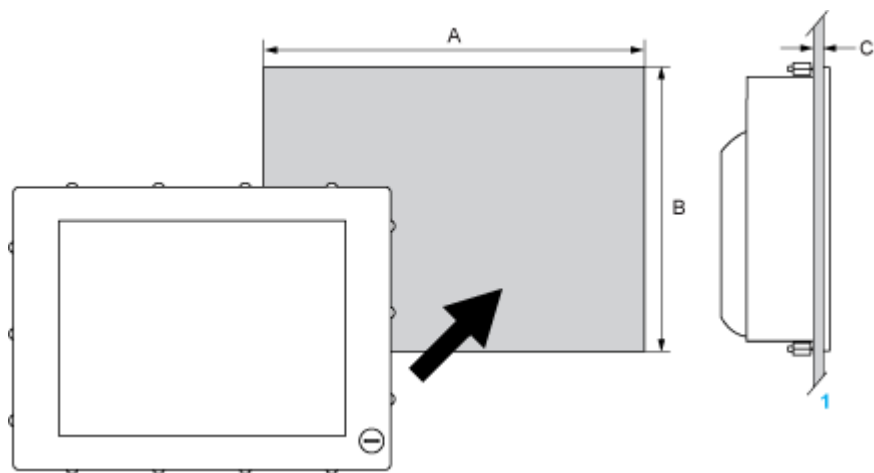
| Top, Bottom and Rear Sides                                                                                                              | Left and Right Sides                                                                          |
|-----------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| <div></div> <div><p>1 Air out</p><p>2 Air in</p></div> | <div></div> |
| <div><p>x1 &gt; 100 mm (3.93 in.)</p><p>x2 &gt; 50 mm (1.96 in.)</p><p>x3 &gt; 10 mm (0.39 in.)</p></div>                               |                                                                                               |

Mounting Orientation

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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.) |