

# Product data sheet

Specifications



## PC panel, Harmony iPC, Universal, Flash Disk, 19", AC, 2 slots, fanless

HMIPUF9A2P01

⚠ 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 533 MHz                                 |
| Display size              | 19 inch                                              |
| Display colour            | 16 million colours                                   |
| Luminance                 | 27.9 fc (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                         |
| Bezel material            | Aluminium alloy                                      |

### Complementary

|                                  |                                                                                                                                                                                                                                                        |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Terminal type                    | Touchscreen display                                                                                                                                                                                                                                    |
| Data storage equipment           | 60 GB Flash disk SSD SLC                                                                                                                                                                                                                               |
| 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>2 GB RAM DDR3                                                                                                                                                                                                                           |
| type of cooling                  | Fanless                                                                                                                                                                                                                                                |
| Integrated connection type       | 2 Ethernet TCP/IP - RJ45<br>DVI-I video port - DVI-I<br>COM1 serial link - male SUB-D 9 - RS232C 115 kbit/s)<br>COM2 serial link - male SUB-D 9 - RS232C 115 kbit/s)<br>USB 2.0 type A 480 Mbit/s)front panel<br>4 USB 2.0 type A 480 Mbit/s)top panel |
| Port Ethernet                    | 10BASE-T/100BASE-T/1000BASE-T                                                                                                                                                                                                                          |
| Number of slots                  | 1 PCI<br>1 PCI express 4x                                                                                                                                                                                                                              |
| [Us] rated supply voltage        | 100...240 V AC power supply                                                                                                                                                                                                                            |
| Supply voltage limits            | 85...265 V                                                                                                                                                                                                                                             |

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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<br>47...63 Hz                                                                      |
| Line 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)<br>Panel by fixing kit fasteners included) |
| Type of Installation   | Indoor                                                                                      |
| Control type           | ON/OFF push-button equipment ON and OFF)<br>Push-button reset)                              |
| Local signalling       | for power LED (multi-colour)<br>for accessing Flash disk SSD (DISK) LED (yellow)            |
| Width                  | 18.9 in (480 mm)                                                                            |
| Height                 | 15.0 in (380 mm)                                                                            |
| Depth                  | 6.02 in (153 mm)                                                                            |
| Cut-out dimensions     | 459.5 (+/- 0.5) x 359.5 (+/- 0.5) x 1.6...10 mm                                             |
| Net Weight             | 32.25 lb(US) (14.63 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<br>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 EN/IEC 61131-2                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Electromagnetic compatibility         | Immunity to electromagnetic emissions, class A EN 55022<br>Immunity to electromagnetic emissions, class A EN 55011<br>Immunity to high frequency interference EN/IEC 61131-2<br>Immunity to high frequency interference EN/IEC 61000-4-x                                                                                                                                                                                                                       |
| Ambient air temperature for operation | 32...122 °F (0...50 °C) vertical installation UL 508<br>32...122 °F (0...50 °C) vertical installation EN/IEC 61131-2<br>32...113 °F (0...45 °C) vertical installation when using RAID option EN/IEC 61131-2<br>32...113 °F (0...45 °C) vertical installation when using RAID option UL 508<br>41...113 °F (5...45 °C) vertical installation when using DVD writer EN/IEC 61131-2<br>41...113 °F (5...45 °C) vertical installation when using DVD writer UL 508 |
| Ambient air temperature for storage   | -4...140 °F (-20...60 °C) IEC 60068-2-2 test Bb<br>-4...140 °F (-20...60 °C) IEC 60068-2-14 test Na                                                                                                                                                                                                                                                                                                                                                            |
| Relative Humidity                     | 10...85 % EN/IEC 60068-2-78<br>10...85 % EN/IEC 60068-2-30                                                                                                                                                                                                                                                                                                                                                                                                     |
| Operating altitude                    | 6561.68 ft (2000 m) EN/IEC 61131-2                                                                                                                                                                                                                                                                                                                                                                                                                             |

|                      |                                                                                                                                                                                                                                                                                                                                 |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Vibration resistance | 1.75 mm 2...9 Hz) continuous EN/IEC 60068-2-6 Fc<br>3.5 mm 2...9 Hz) intermittently EN/IEC 60068-2-6 Fc<br>0.5 gn 9...200 Hz) continuous EN/IEC 60068-2-6 Fc<br>1 gn 9...200 Hz) intermittently EN/IEC 60068-2-6 Fc<br>1 mm 3...13.2 Hz) continuous EN/IEC 60068-2-6 Fc<br>0.7 gn 13.2...100 Hz) continuous EN/IEC 60068-2-6 Fc |
| Shock resistance     | 15 gn 11 ms IEC 60068-2-27, Ea tests                                                                                                                                                                                                                                                                                            |

## Ordering and shipping details

|                   |                   |
|-------------------|-------------------|
| Category          | 22575-MAGELIS MC3 |
| Discount Schedule | MC3               |
| GTIN              | 3595864143781     |
| Returnability     | No                |
| Country of origin | AT                |

## Packing Units

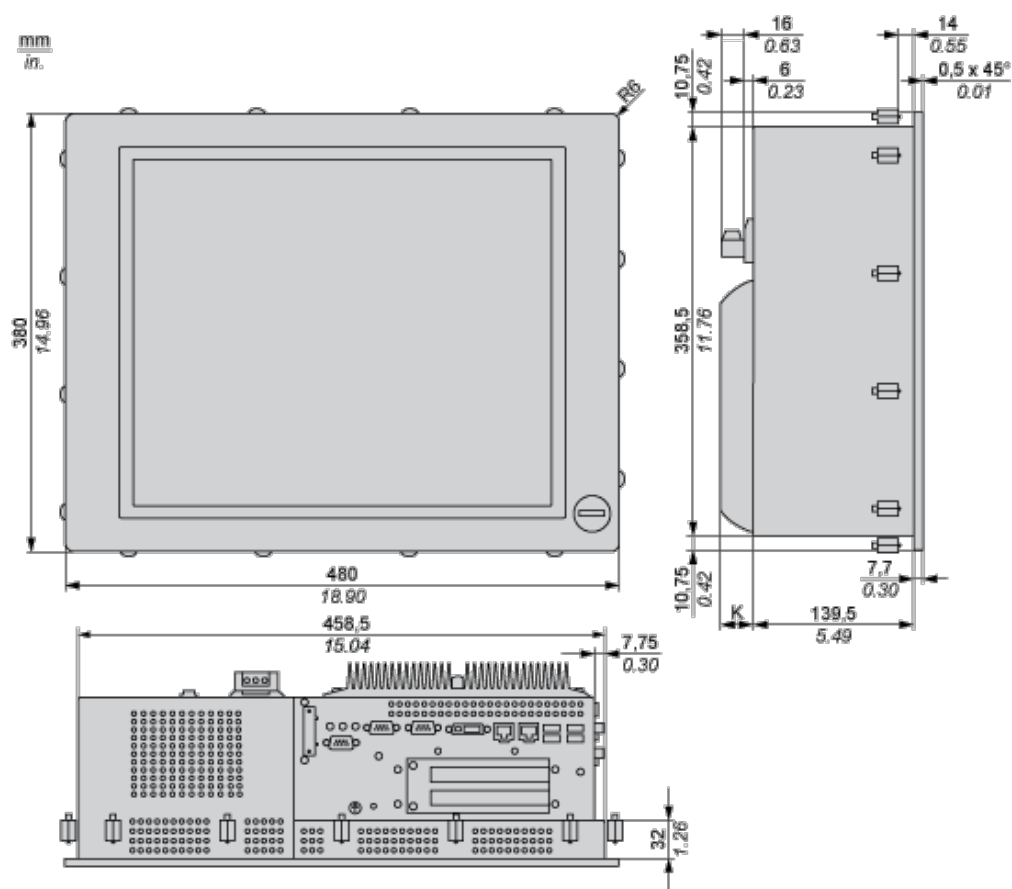
|                              |                         |
|------------------------------|-------------------------|
| Unit Type of Package 1       | PCE                     |
| Number of Units in Package 1 | 1                       |
| Package 1 Height             | 14.57 in (37 cm)        |
| Package 1 Width              | 19.69 in (50 cm)        |
| Package 1 Length             | 23.43 in (59.5 cm)      |
| Package 1 Weight             | 32.58 lb(US) (14.78 kg) |

## Contractual warranty

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

Dimensions Drawings

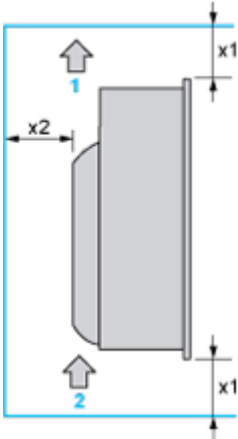
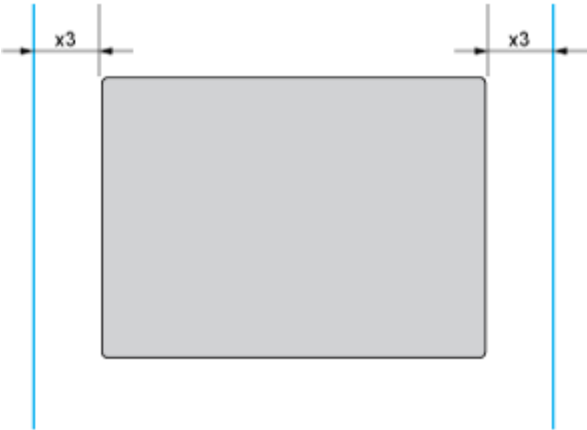
Dimensions



K : 12.8 mm / 0.50 in.

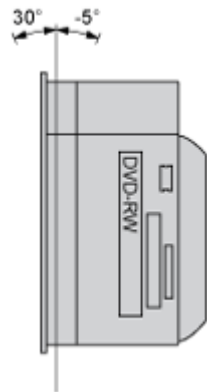
Mounting and Clearance

Spacing Requirements

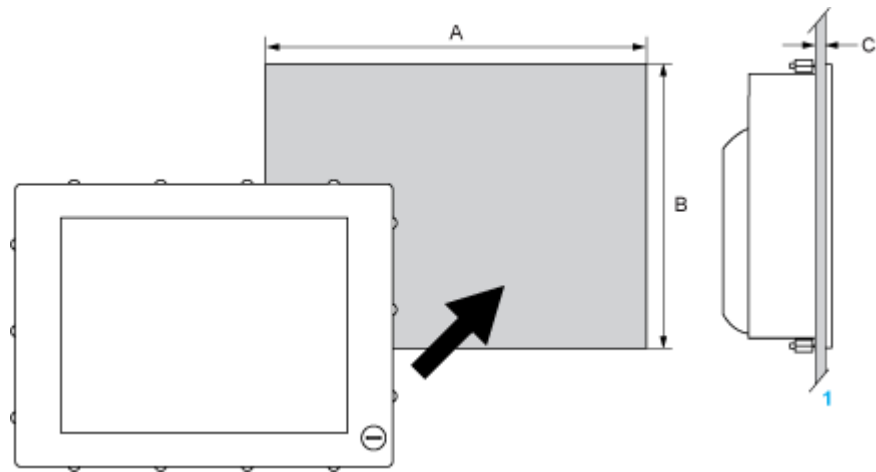
| Top, Bottom and Rear Sides                                                                                                                                  | Left and Right Sides                                                                          |
|-----------------------------------------------------------------------------------------------------------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