

# Product data sheet

Specifications



## Multi touch screen, Harmony iPC, S Panel PC Optimized W10 DC, Base unit

HMIPSO0552D1001

⚠ Discontinued on: Jun 19, 2025

⚠ End-of-service on: Jun 19, 2025

⚠ Discontinued - Service only

### Main

|                           |                                                                                                                                                                                                                                                                                                                                               |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range of product          | Harmony iPC                                                                                                                                                                                                                                                                                                                                   |
| Product or component type | Multi-touch screen                                                                                                                                                                                                                                                                                                                            |
| Processor name            | Intel Atom E3827 dual core at 1.75 GHz                                                                                                                                                                                                                                                                                                        |
| Chipset type              | Intel Atom SoC                                                                                                                                                                                                                                                                                                                                |
| Free slots                | 1 CFast                                                                                                                                                                                                                                                                                                                                       |
| Display size              | 10.1 inch                                                                                                                                                                                                                                                                                                                                     |
| Display colour            | 267000 colours                                                                                                                                                                                                                                                                                                                                |
| Luminance                 | 27.9 fc (300 cd/m²)                                                                                                                                                                                                                                                                                                                           |
| Pixel resolution          | 4096 x 4096                                                                                                                                                                                                                                                                                                                                   |
| Video controller type     | Intel HD Graphics                                                                                                                                                                                                                                                                                                                             |
| Software package          | EcoStruxure secure connect advisor annual subscription cyber security license not included<br>EcoStruxure Operator Terminal Expert run time HMI license not included<br>EcoStruxure Machine SCADA Expert run time HMI/SCADA on configured offer only<br>EcoStruxure augmented operator advisor server augmented operator license not included |

### Complementary

|                                  |                                                                        |
|----------------------------------|------------------------------------------------------------------------|
| Number of points                 | 5                                                                      |
| Terminal type                    | Touchscreen display                                                    |
| Memory type                      | 4 GB RAM DDR3 internal                                                 |
| Aspect ratio                     | 16:9                                                                   |
| Display type                     | Colour TFT LCD<br>LED                                                  |
| Display resolution               | 1280 x 800 pixels WSVGA                                                |
| Backlight lifespan               | 50000 hours                                                            |
| View angle horizontal x vertical | 160 x 160°                                                             |
| Touch panel                      | Projected capacitive technology (PCT)                                  |
| Type of cooling                  | Fanless<br>Passive                                                     |
| Watchdog timer                   | 1...255 ms                                                             |
| [Us] rated supply voltage        | 24 V DC +/- 20 %<br>100...240 V AC with additional adaptor HMIYPSOMAC1 |
| [In] rated current               | 1.9 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

|                       |                                                           |
|-----------------------|-----------------------------------------------------------|
| Mechanical robustness | Hardness anti-scratch 7H                                  |
| Local signalling      | Buzzer<br>LED (green) for on<br>LED (orange) for stand-by |
| Function available    | Operate with water on screen                              |
| Width                 | 11.1 in (283.1 mm)                                        |
| Height                | 8.0 in (202.3 mm)                                         |
| Depth                 | 2.4 in (61.3 mm)                                          |
| Cut-out dimensions    | 274.6 (+/- 0.7) x 193.8 (+/- 0.4)                         |
| Net weight            | 5.5 lb(US) (2.5 kg)                                       |
| Display size          | 10" wide multi-touch                                      |
| Main type             | Optimised                                                 |

## Environment

|                                       |                                                                                                                                       |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| IP degree of protection               | IP66 front panel:                                                                                                                     |
| Product certifications                | RCM<br>AS/NZS<br>CCC<br>EAC<br>CE<br>C-Tick                                                                                           |
| Standards                             | FCC part 15 class A<br>UL 60950<br>CISPR 11<br>IEC 61000-6-2<br>IEC 60950<br>IEC 61000-6-4<br>CSA C22.2 No 60950                      |
| Directives                            | 2006/95/EC - low voltage directive<br>2004/108/EC - electromagnetic compatibility                                                     |
| Pollution degree                      | 2                                                                                                                                     |
| Ambient air temperature for operation | 32...131 °F (0...55 °C) SSD<br>32...131 °F (0...55 °C) Cfast card<br>32...113 °F (0...45 °C) HDD<br>32...113 °F (0...45 °C) Mini PCIe |
| Ambient air temperature for storage   | -4...140 °F (-20...60 °C)                                                                                                             |
| Relative humidity                     | 10...95 % non-condensing                                                                                                              |
| Operating altitude                    | 2000                                                                                                                                  |
| Vibration resistance                  | 1 gn 5...500 Hz)HDD<br>2 gn 5...500 Hz)SSD<br>2 gn 5...500 Hz)Cfast card                                                              |

## Packing Units

|                              |                     |
|------------------------------|---------------------|
| Unit Type of Package 1       | PCE                 |
| Number of Units in Package 1 | 1                   |
| Package 1 Height             | 2.4 in (6.1 cm)     |
| Package 1 Width              | 8.0 in (20.2 cm)    |
| Package 1 Length             | 11.1 in (28.3 cm)   |
| Package 1 Weight             | 5.5 lb(US) (2.5 kg) |

## Contractual warranty





## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)



### Environmental footprint

|                                                        |                                               |
|--------------------------------------------------------|-----------------------------------------------|
| Total lifecycle Carbon footprint                       | 2 230 kg CO2 eq.                              |
| Carbon footprint of the manufacturing phase [A1 to A3] | 230 kg CO2 eq.                                |
| Carbon footprint of the distribution phase [A4]        | 0.8 kg CO2 eq.                                |
| Carbon footprint of the installation phase [A5]        | 0.3 kg CO2 eq.                                |
| Carbon footprint of the use phase [B2, B3, B4, B6]     | 1 994 kg CO2 eq.                              |
| Carbon footprint of the end-of-life phase [C1 to C4]   | 4 kg CO2 eq.                                  |
| Environmental Disclosure                               | <a href="#">Product Environmental Profile</a> |

## Use Better



### Materials and Substances

|                                        |                                                                                        |
|----------------------------------------|----------------------------------------------------------------------------------------|
| F-gas usage performance                | Only air and vacuum used for insulation / breaking, no F-gas including SF6             |
| Packaging made with recycled cardboard | Yes                                                                                    |
| Packaging without single use plastic   | No                                                                                     |
| SCIP Number                            | 3fe7d895-f8a3-452a-ad75-1d17e7e6e6eb                                                   |
| EU RoHS Directive                      | <a href="#">Compliant By Exemption</a>                                                 |
| REACH Regulation                       | <a href="#">Reference contains Substances of Very High Concern above the threshold</a> |
| Halogen content performance            | Product contains halogen above thresholds                                              |
| PVC free                               | No                                                                                     |
| Silicon free                           | No                                                                                     |

## Use Longer



### Lifetime extension

|        |    |
|--------|----|
| Repair | No |
|--------|----|

## Use Again



### Repack and remanufacture

|                               |                                         |
|-------------------------------|-----------------------------------------|
| Recyclability potential, in % | 48                                      |
| Circularity Profile           | <a href="#">End of Life Information</a> |
| Removable battery             | User replaceable                        |
| Take-back                     | No                                      |

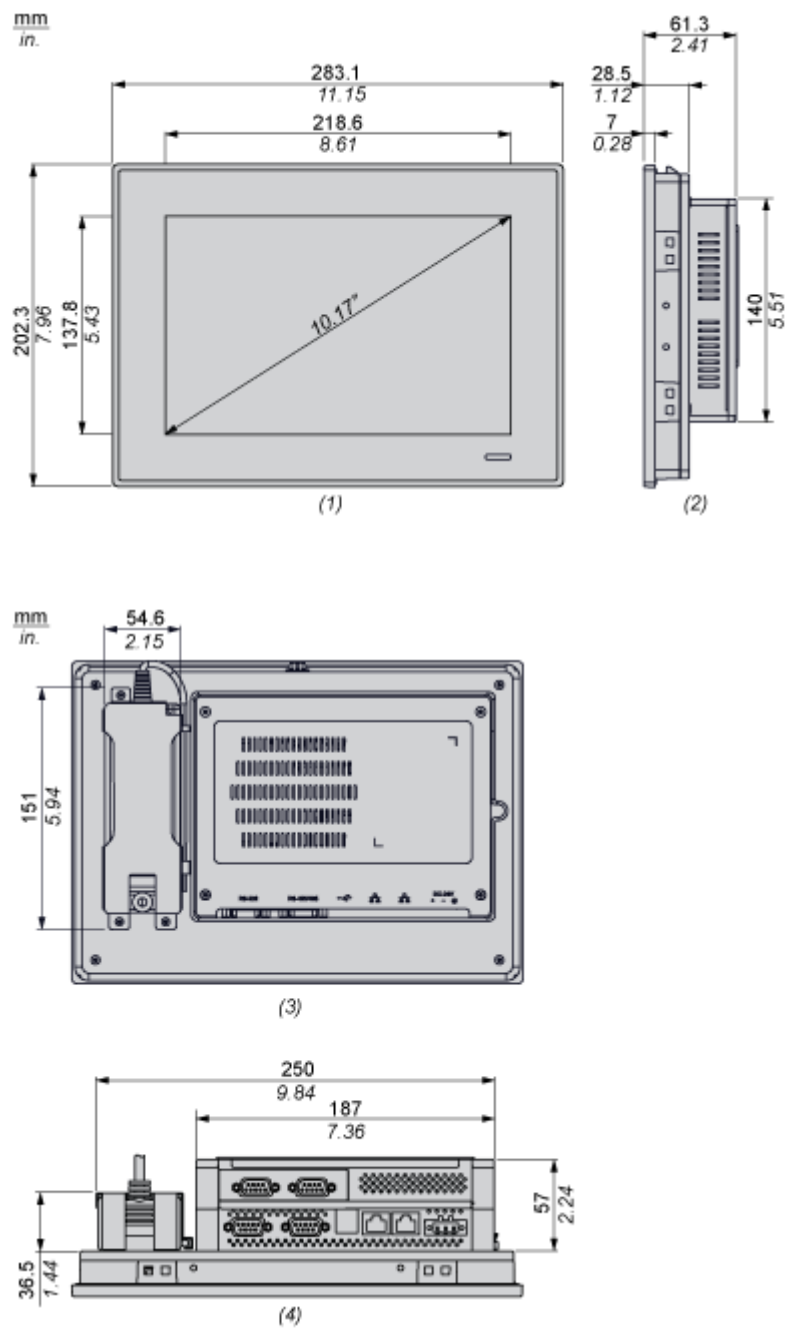


The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

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Dimensions Drawings

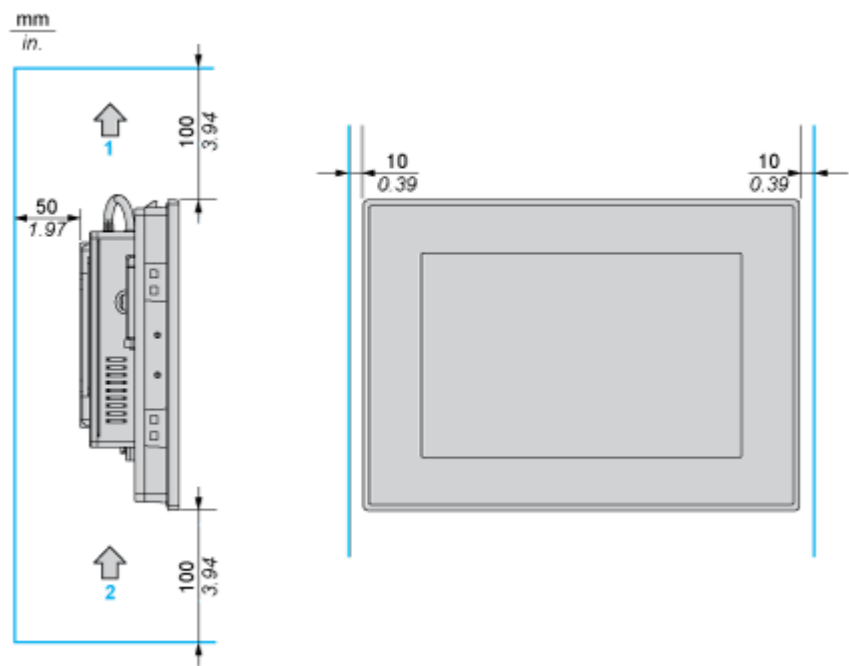
Dimensions



- (1) Front view
- (2) Right view
- (3) Back view
- (4) Bottom view

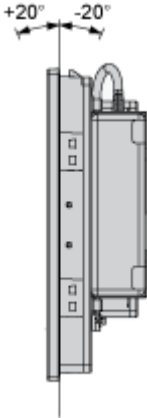
Mounting and Clearance

Spacing Requirements

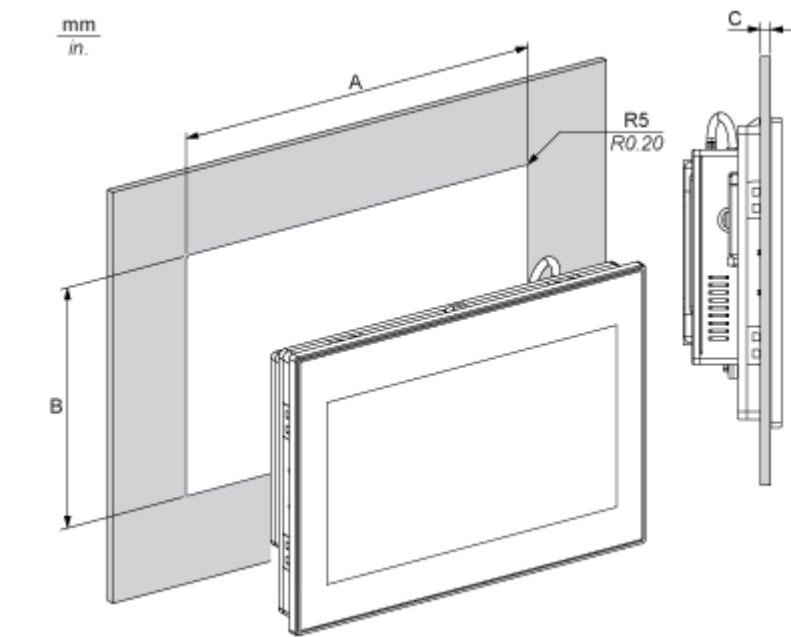


- 1 : Air out
- 2 : Air in

Mounting Orientation



Panel Cut Dimensions



| A     |       | B     |      | C     |             | R  |      |
|-------|-------|-------|------|-------|-------------|----|------|
| mm    | in.   | mm    | in.  | mm    | in.         | mm | in.  |
| 274.6 | 10.81 | 193.8 | 7.63 | 2...6 | 0.08...0.23 | 5  | 0.20 |