

# Product datasheet

Specifications



10" wide screen touch panel, 16M colors, COM x 2, ETH x 1, USB host / device, RTC, DC24V

HMIET6500

## Main

|                           |                      |
|---------------------------|----------------------|
| Range of product          | Easy Harmony ET6     |
| Product or component type | Touch panel screen   |
| Software package          | Vijeo Designer Basic |
| Processor name            | ARM Cortex-A8        |

## Complementary

|                            |                                                                                                                                                                                                                                                                                                         |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Display size               | 10 inch                                                                                                                                                                                                                                                                                                 |
| Display type               | Colour TFT LCD                                                                                                                                                                                                                                                                                          |
| Display colour             | 16 million colours                                                                                                                                                                                                                                                                                      |
| Display resolution         | 1024 x 600 pixels WSVGA                                                                                                                                                                                                                                                                                 |
| Touch panel                | Single touch analogue resistive                                                                                                                                                                                                                                                                         |
| Brightness                 | 16 levels                                                                                                                                                                                                                                                                                               |
| Character font             | ASCII<br>ASCII (European characters)<br>Chinese (simplified Chinese)<br>Japanese (ANK, Kanji)<br>Katakana<br>Korean<br>Taiwanese (traditional Chinese)                                                                                                                                                  |
| [Us] rated supply voltage  | 24 V DC +/- 20 %                                                                                                                                                                                                                                                                                        |
| Inrush current             | 30 A                                                                                                                                                                                                                                                                                                    |
| Local signalling           | Status LED green, steady for operating<br>Status LED orange, steady for software starting up<br>Status LED red, steady for power supply (ON)<br>Status LED, off for power supply (OFF)                                                                                                                  |
| Power consumption in W     | 11 W                                                                                                                                                                                                                                                                                                    |
| Number of pages            | 200 application pages                                                                                                                                                                                                                                                                                   |
| Port Ethernet              | 10/100BASE                                                                                                                                                                                                                                                                                              |
| Memory description         | Device memory 256 MB<br>User data memory 256 MB<br>Backup memory 128 kB                                                                                                                                                                                                                                 |
| Integrated connection type | 1 COM1 serial link - 1 SUB-D 9-pin male - RS232C (rate: 2400...115200 bps)bottom<br>1 COM2 serial link - 1 SUB-D 9-pin male - RS422/RS485 (rate: 2400...115200 bps)bottom<br>COM2 serial link (rate: 2400...187500 bps)bottom<br>1 Ethernetbottom<br>1 USB 2.0 type Aback<br>1 USB 2.0 type micro Bback |
| Supply                     | External 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

|                        |                                                 |
|------------------------|-------------------------------------------------|
| Realtime clock         | Built-in 0...50 °C<br>Built-in 10...90 % RH     |
| Downloadable protocols | Modbus<br>Uni-TE<br>Third party protocols       |
| Product brand          | Schneider Electric                              |
| Fixing mode            | By 4 screws, mounting on 1.6...5 mm thick panel |
| Cut-out dimensions     | 255 x 185 mm panel cut dimension                |
| Height                 | 201 mm                                          |
| Width                  | 271 mm                                          |
| Depth                  | 47 mm                                           |
| Net weight             | 0.99 kg                                         |

## Environment

|                                       |                                                                                                                                                                                                                                                                                                                                                                                               |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Immunity to microbreaks               | 5 ms                                                                                                                                                                                                                                                                                                                                                                                          |
| Enclosure material                    | PC                                                                                                                                                                                                                                                                                                                                                                                            |
| Front material                        | Plastic                                                                                                                                                                                                                                                                                                                                                                                       |
| Standards                             | IEC 61000-6-4<br>IEC 61000-6-2<br>IEC 61131-2<br>UL 61010-2-201<br>CSA C22.2 No 61010-1-201                                                                                                                                                                                                                                                                                                   |
| Product certifications                | CE<br>UL<br>EAC (pending)<br>KC-Mark (pending)                                                                                                                                                                                                                                                                                                                                                |
| Directives                            | 2014/35/EU - low voltage directive<br>2014/30/EU - electromagnetic compatibility                                                                                                                                                                                                                                                                                                              |
| Ambient air temperature for operation | 0...50 °C                                                                                                                                                                                                                                                                                                                                                                                     |
| Ambient air temperature for storage   | -20...60 °C                                                                                                                                                                                                                                                                                                                                                                                   |
| Relative humidity                     | 10...90 % non-condensing                                                                                                                                                                                                                                                                                                                                                                      |
| Operating altitude                    | 2000 m                                                                                                                                                                                                                                                                                                                                                                                        |
| IP degree of protection               | IP20 (rear panel) conforming to IEC 61131-2<br>IP65 (front panel) conforming to IEC 61131-2                                                                                                                                                                                                                                                                                                   |
| Shock resistance                      | 147 m/s <sup>2</sup> for 11 ms (X, Y, Z directions for 3 times) conforming to IEC 61131-2                                                                                                                                                                                                                                                                                                     |
| Vibration resistance                  | +/- 3.5 mm (f = 5...9 Hz) X, Y, Z directions for 10 cycles (approx. 100 min) conforming to IEC 61131-2<br>9.8 m/s <sup>2</sup> (f = 9...150 Hz)                                                                                                                                                                                                                                               |
| Electromagnetic compatibility         | Electrical fast transient/burst immunity test - test level: 2 kV (power ports) conforming to IEC 61000-4-4<br>Electrical fast transient/burst immunity test - test level: 1 kV (signal ports)<br>Electrostatic discharge immunity test - test level: 6 kV (contact discharge) conforming to IEC 61000-4-2 level 3<br>Electrostatic discharge immunity test - test level: 8 kV (air discharge) |

## Packing Units

|                              |           |
|------------------------------|-----------|
| Unit Type of Package 1       | PCE       |
| Number of Units in Package 1 | 1         |
| Package 1 Height             | 11.000 cm |
| Package 1 Width              | 25.000 cm |

|                              |           |
|------------------------------|-----------|
| Package 1 Length             | 37.000 cm |
| Package 1 Weight             | 1.557 kg  |
| Unit Type of Package 2       | S04       |
| Number of Units in Package 2 | 5         |
| Package 2 Height             | 30.000 cm |
| Package 2 Width              | 40.000 cm |
| Package 2 Length             | 60.000 cm |
| Package 2 Weight             | 8.687 kg  |

## Contractual warranty

|                      |    |
|----------------------|----|
| Warranty (in months) | 18 |
|----------------------|----|



## 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                       | 1 108 kg CO2 eq.                              |
| Environmental Disclosure                               | <a href="#">Product Environmental Profile</a> |
| Carbon footprint of the manufacturing phase [A1 to A3] | 225 kg CO2 eq.                                |
| Carbon footprint of the distribution phase [A4]        | 0.1 kg CO2 eq.                                |
| Carbon footprint of the installation phase [A5]        | 0 kg CO2 eq.                                  |
| Carbon footprint of the use phase [B2, B3, B4, B6]     | 882 kg CO2 eq.                                |
| Carbon footprint of the end-of-life phase [C1 to C4]   | 0.3 kg CO2 eq.                                |

## Use Better



### Materials and Packaging

|                                        |                                                                                                   |
|----------------------------------------|---------------------------------------------------------------------------------------------------|
| F-gas free                             | K izolaci a zhášení je využíváno pouze vzduchové a vakuové médium; bez obsahu F-plynů včetně SF6. |
| Packaging made with recycled cardboard | Yes                                                                                               |
| Packaging without single use plastic   | No                                                                                                |
| SCIP Number                            | Fb517918-35ee-4cc6-8104-c869784aec43                                                              |
| PVC free                               | No                                                                                                |
| Silicone-free                          | No                                                                                                |

## Use Longer



### Lifetime extension

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

## Use Again



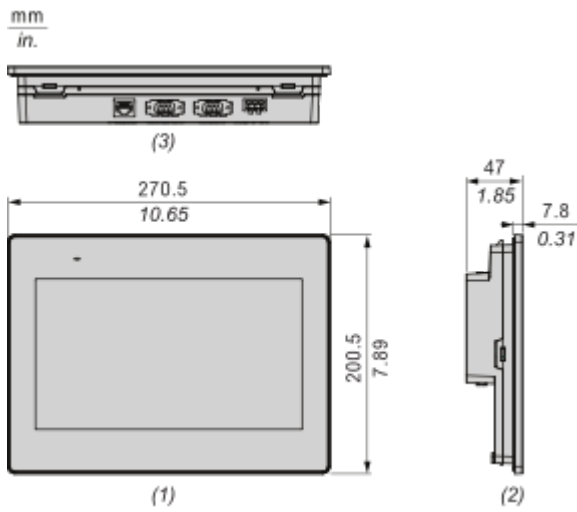
### Repack and remanufacture

|                                 |                                                                                                                                                                                                                 |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| End of life manual availability | <a href="#">End of Life Information</a>                                                                                                                                                                         |
| Removable battery               | User replaceable                                                                                                                                                                                                |
| Take-back                       | No                                                                                                                                                                                                              |
| WEEE Label                      |  The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |

Dimensions Drawings

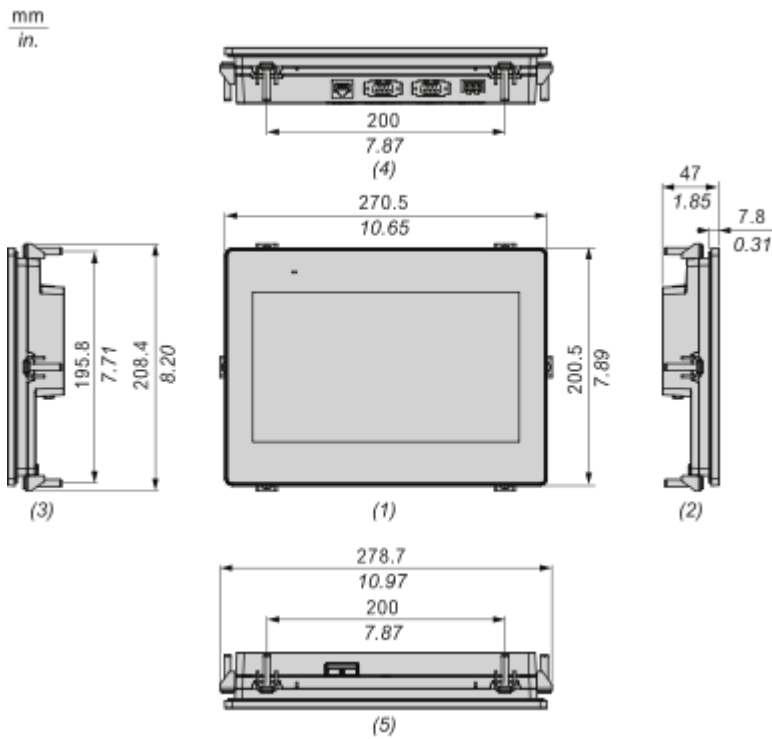
Dimensions

External Dimensions



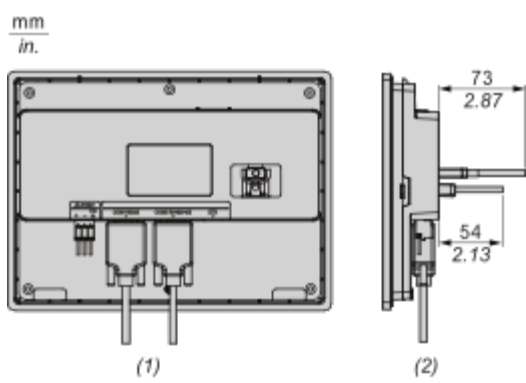
- (1): Front
- (2): Left
- (3): Bottom

Dimensions with Installation Fasteners



- (1): Front
- (2): Left
- (3): Right
- (4): Bottom
- (5): Top

Dimensions with Cables

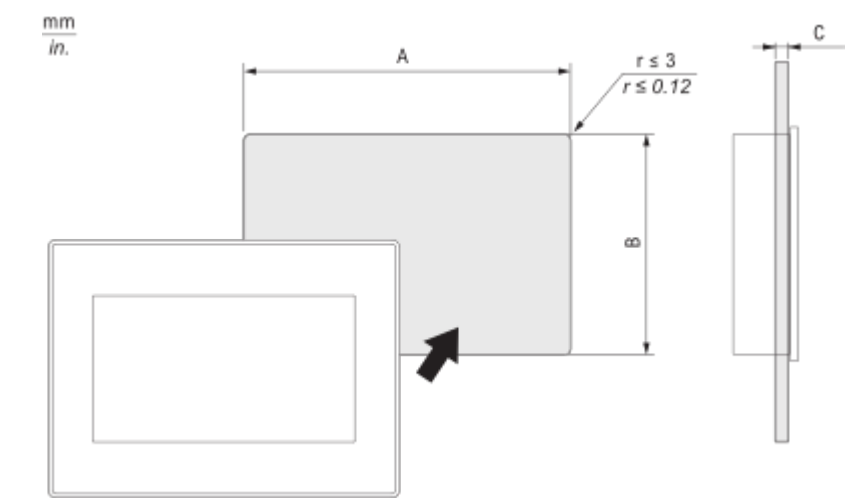


(1): Back  
(2): Left

Mounting and Clearance

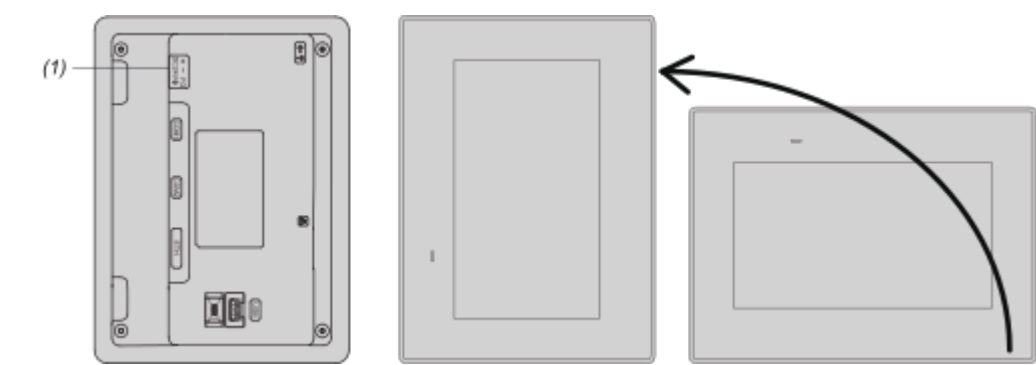
Mounting

Panel Cut Dimension



| A            |                   | B            |                  | C       |            |
|--------------|-------------------|--------------|------------------|---------|------------|
| mm           | in.               | mm           | in.              | mm      | in.        |
| 255 (+1, -0) | 10.04 (+0.04, -0) | 185 (+1, -0) | 7.28 (+0.04, -0) | 1.6...5 | 0.06...0.2 |

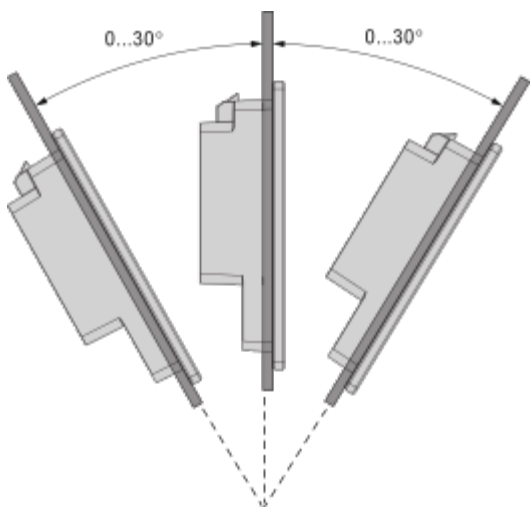
Mounting Orientation



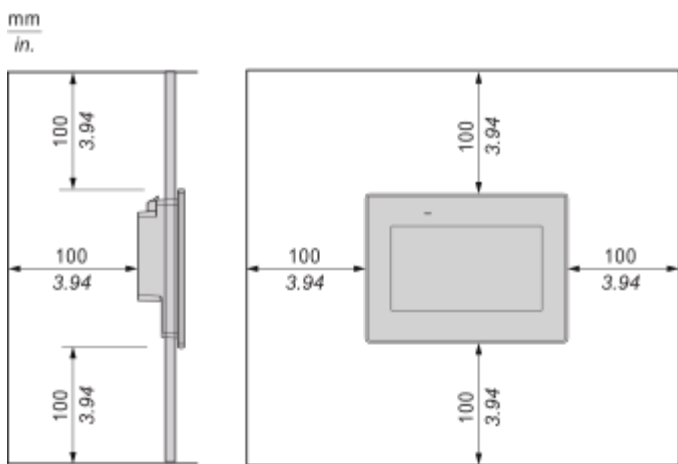
(1): Power connector

**Note:** For portrait orientation mounting, make sure the screen editing software supports the function.

Mounting Angle



Clearance



Technical Illustration

Dimensions

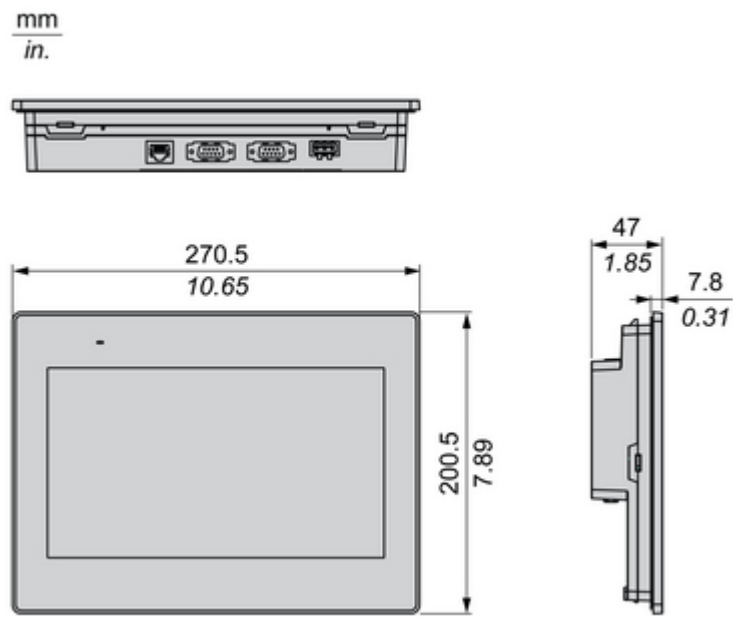


Image of product / Alternate images

Alternative



Image of product in real life situation

