# Product data sheet

Specifications



## advanced touchscreen panel, Harmony GTO, 800 x 480pixels WVGA, 7.0inch TFT, 96MB

HMIGTO3510

**Product availability: Stock - Normally stocked in distribution facility**

## Main

| | |
|---|---|
| **Range of Product** | Harmony GTO |
| **Product or Component Type** | Advanced touchscreen panel |
| **Display colour** | 65536 colours |
| **Display size** | 7 inch |
| **Supply** | External source |
| **Control Button Type** | 8 operation defined using Vijeo Designer push-button key F1...F8 |
| **Battery type** | Lithium internal RAM 100 days 5 day(s) 10 year(s) |
| **Processor name** | ARM926EJ-S |
| **Software package** | Vijeo Designer |

## Complementary

| | |
|---|---|
| **Terminal type** | Touchscreen display |
| **Display Type** | Backlit colour TFT LCD |
| **Display Resolution** | 800 x 480 pixels WVGA |
| **Touch sensitive zone** | 1024 x 1024 |
| **Touch panel** | Resistive film, 1000000 cycles |
| **Backlight lifespan** | 50000 hours white 77 °F (25 °C) |
| **Brightness** | 16 levels by touch panel<br>16 levels by software |
| **Character font** | Taiwanese (traditional Chinese)<br>ASCII<br>Chinese (simplified Chinese)<br>Japanese (ANK, Kanji)<br>Korean |
| **[Us] rated supply voltage** | 24 V DC |
| **Supply voltage limits** | 19.2…28.8 V |
| **Inrush current** | 30 A |
| **Maximum power consumption in W** | 8 W when power is not supplied to external devices<br>5 W when backlight is OFF<br>5.5 W when backlight is dimmed<br>12 W |

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

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

| | |
|---|---|
| **Local signalling** | Status LED green, steady offline<br>Status LED green, steady operating<br>Status LED orange, flashing software starting up<br>Status LED red, steady power supply (ON)<br>Status LED clear, faded power supply (OFF)<br>COM2 LED yellow, steady data is being transmitted<br>COM2 LED yellow, faded no data transmission<br>SD card LED green, steady card is inserted<br>SD card LED green, faded card is not inserted or is not being accessed |
| **Memory description** | Flash EPROM, 96 MB |
| **Data backed up** | 128 kB internal RAM SRAM) |
| **Data storage equipment** | SD card, <= 32 GB<br>SDHC card, <= 32 GB |
| **Downloadable protocols** | Schneider Electric Modicon Modbus<br>Schneider Electric Modicon Uni-TE<br>Schneider Electric Modicon Modbus Plus<br>Schneider Electric Modicon FIPWAY<br>Mitsubishi Melsec third party protocols<br>Omron Sysmac third party protocols<br>Rockwell Automation Allen-Bradley third party protocols<br>Siemens Simatic third party protocols<br>Schneider Electric Modicon Modbus TCP |
| **Integrated connection type** | COM1 serial link SUB-D 9 RS232C 2400...115200 bps<br>COM2 serial link RJ45 RS485 2400...115200 bps<br>COM2 serial link RJ45 RS485 187.5 kbps Siemens MPI<br>Ethernet RJ45 10BASE-T/100BASE-TX<br>Ethernet RJ45 IEEE 802.3<br>USB 2.0 type A<br>USB 2.0 type mini B |
| **Product mounting** | Flush mounting |
| **Fixing mode** | by 4 screw clamps |
| **Front material** | PPT |
| **Enclosure Material** | PPT |
| **Type of cooling** | Natural convection |
| **Width** | 8.6 in (218 mm) |
| **Height** | 6.8 in (173 mm) |
| **Depth** | 2.4 in (60 mm) |
| **Net Weight** | 2.6 lb(US) (1.2 kg) |

# Environment

| | |
|---|---|
| **Standards** | UL 508<br>IEC 61000-6-2<br>IEC 61131-2 |
| **Product Certifications** | CE<br>C-tick<br>KCC<br>cULus<br>UKCA<br>UKEX |
| **Ambient Air Temperature for Operation** | 32…122 °F (0…50 °C) |
| **Ambient air temperature for storage** | -4…140 °F (-20…60 °C) |
| **Relative humidity** | 10…90 % without condensation |
| **Operating altitude** | < 6561.68 ft (2000 m) |
| **IP degree of protection** | IP20 IEC 60529 rear panel)<br>IP65 IEC 60529 front panel) |
| **NEMA degree of protection** | NEMA 4X front panel (indoor use) |

| | |
|---|---|
| **Shock resistance** | 147 m/s² 3 chocks in each direction X, Y and Z IEC 61131-2 |
| **Vibration resistance** | 3.5 mm 5…9 Hz) - X, Y, Z directions for 10 cycles (approx. 100 min) - IEC 61131-2<br>1 gn 9…150 Hz) - X, Y, Z directions for 10 cycles (approx. 100 min) - IEC 61131-2 |
| **Resistance to electrostatic discharge** | 6 kV contact discharge IEC 61000-4-2 level 3 |

## Ordering and shipping details

| | |
|---|---|
| **Category** | US10MC222569 |
| **Discount Schedule** | 0MC2 |
| **GTIN** | 3595864150260 |
| **Returnability** | Yes |
| **Country of origin** | ID |

## Packing Units

| | |
|---|---|
| **Unit Type of Package 1** | PCE |
| **Nbr. of units in pkg.** | 1 |
| **Package 1 Height** | 5.709 in (14.500 cm) |
| **Package 1 Width** | 10.551 in (26.800 cm) |
| **Package 1 Length** | 11.969 in (30.400 cm) |
| **Package weight(Lbs)** | 3.380 lb(US) (1.533 kg) |
| **Unit Type of Package 2** | X12 |
| **Number of Units in Package 2** | 48 |
| **Package 2 Height** | 41.339 in (105.000 cm) |
| **Package 2 Width** | 31.496 in (80.000 cm) |
| **Package 2 Length** | 47.244 in (120.000 cm) |
| **Package 2 Weight** | 211.644 lb(US) (96.000 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 | **620 kg CO2 eq.** |
| Carbon footprint of the manufacturing phase [A1 to A3] | **126 kg CO2 eq.** |
| Carbon footprint of the distribution phase [A4] | **0.2 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] | **493 kg CO2 eq.** |
| Carbon footprint of the end-of-life phase [C1 to C4] | **1 kg CO2 eq.** |
| Environmental Disclosure | **Product Environmental Profile** |

## 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 | **76565be4-97e1-4441-9623-82d029ddb7ce** |
| EU RoHS Directive | **Compliant By Exemption** |
| REACh Regulation | **Reference contains Substances of Very High Concern above the threshold** |
| California proposition 65 | **WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov** |
| 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

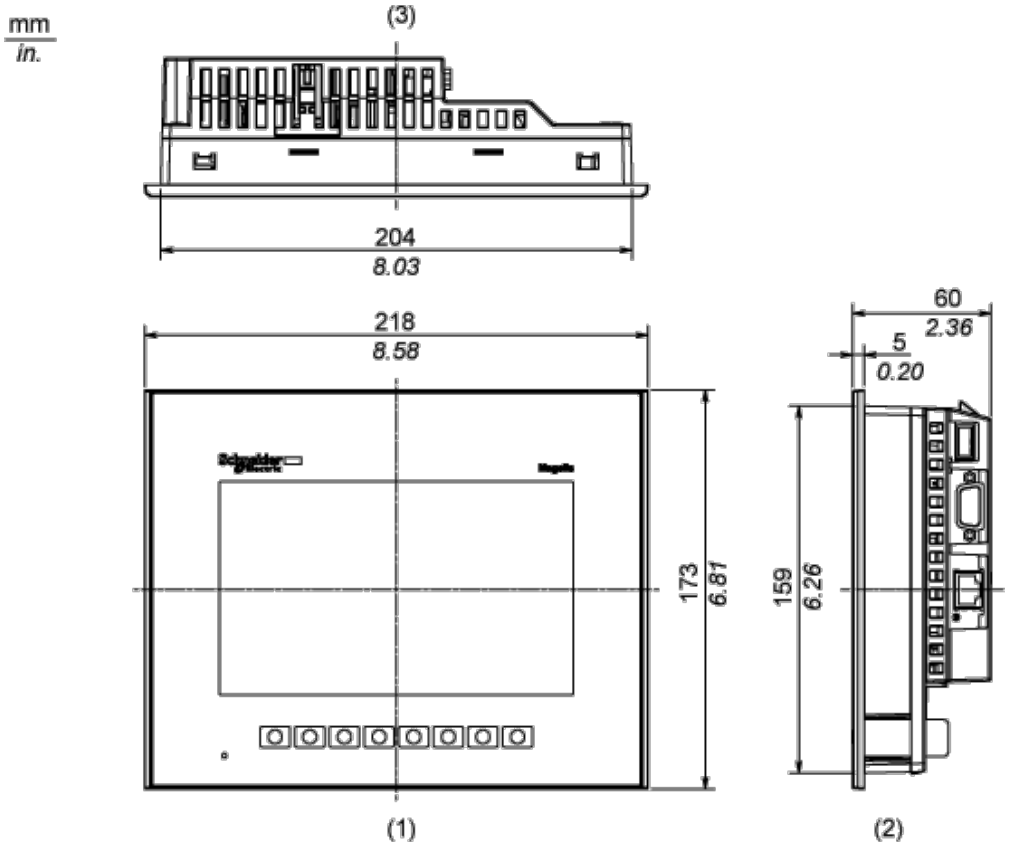
| | |
|---|---|
| Recyclability potential, in % | **25** |

| | |
|---|---|
| Circularity Profile | End of Life Information |
| 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

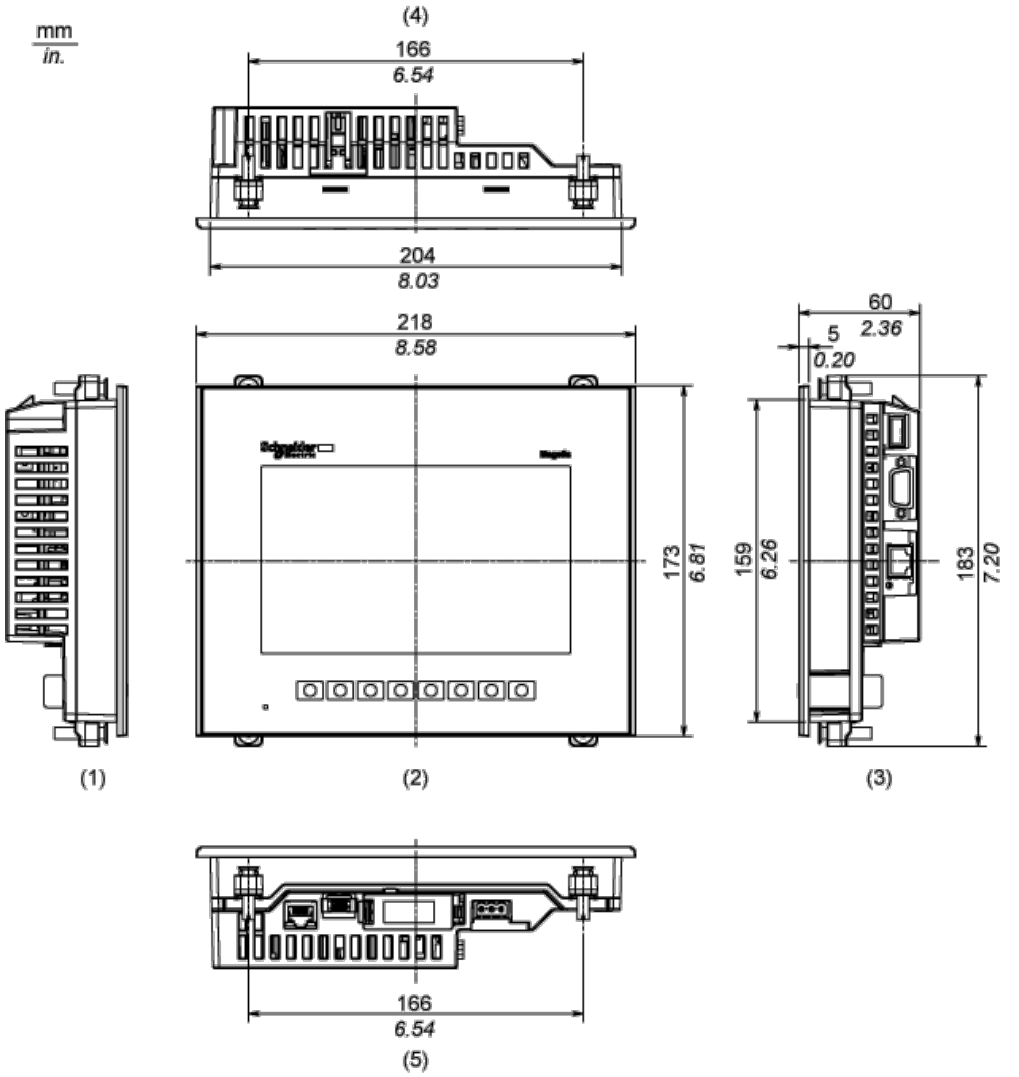



1 Front

2 Right Side

3 Top

### Installation with Installation Fasteners




1 Left Side

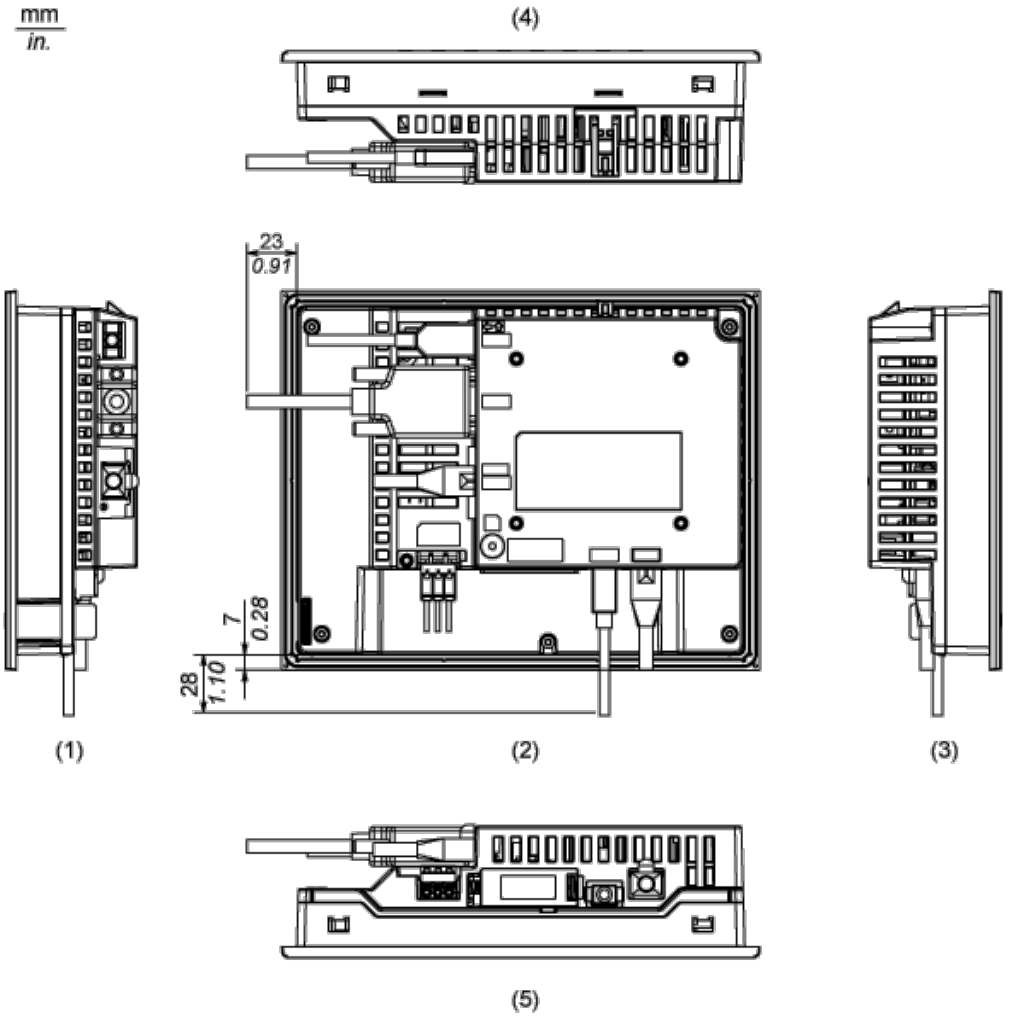
2 Front

3 Right Side

4 Top

5 Bottom

### Dimensions with Cables




1 Left Side

2 Rear

3 Right Side

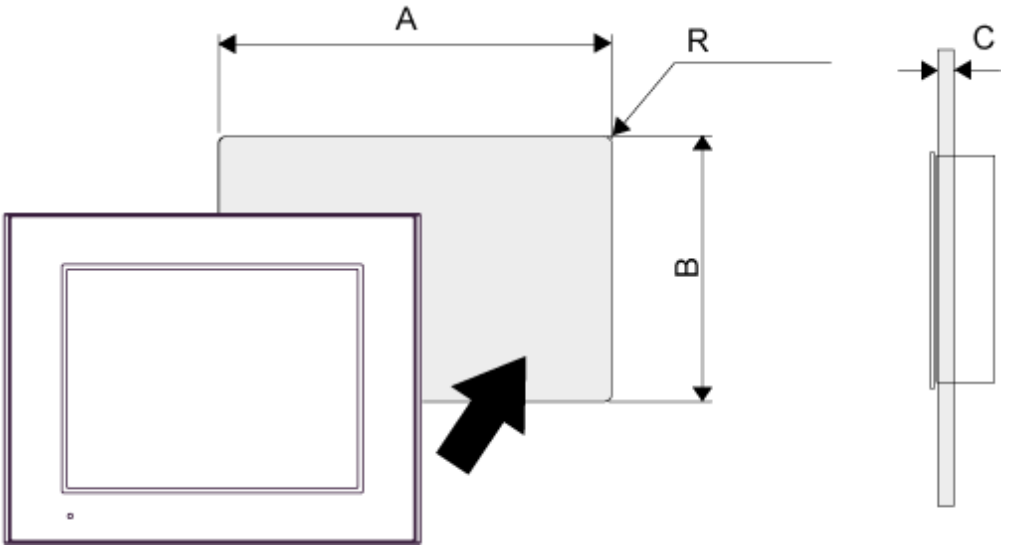
4 Top

5 Bottom

Mounting and Clearance

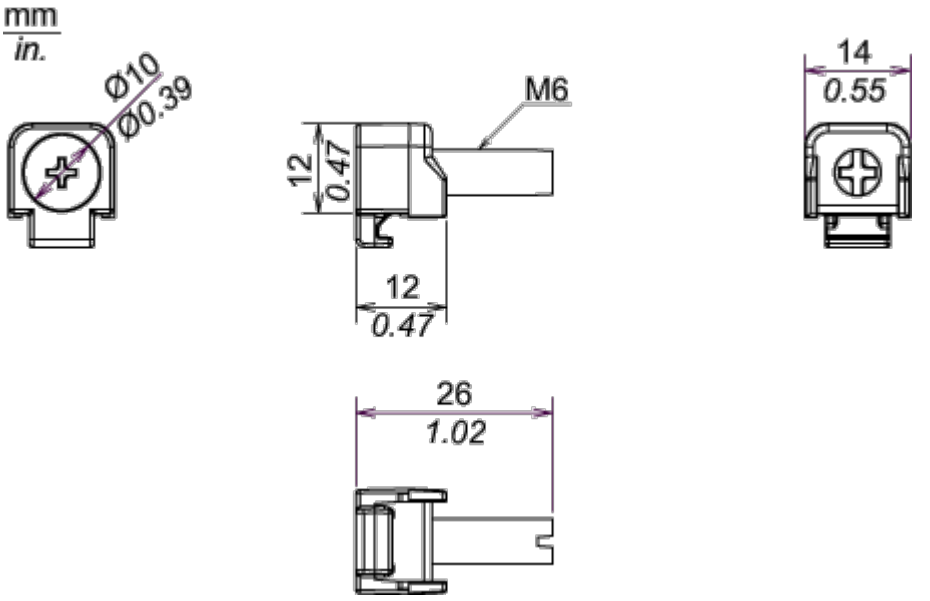
## Mounting

### Panel Cut Dimensions



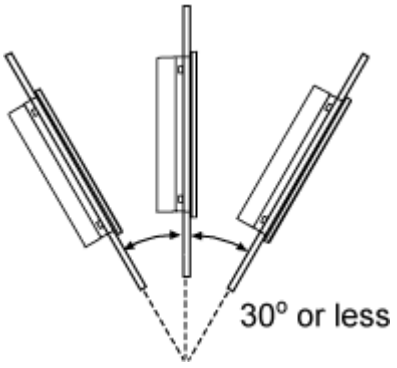

| A | | B | | C | | R | |
|---|---|---|---|---|---|---|---|
| mm | in. | mm | in. | mm | in. | mm | in. |
| 204.5 (+1, -0) | 8.05 (+0.04, -0) | 159.5 (+1, -0) | 6.28 (+0.04, -0) | 1.6...5 | 0.06...0.2 | 3 max. | 0.12 max. |

### Installation Fastener Dimensions



## Installation Requirements

### Mounting Angle




When installing the panel in a slanted position with an incline more than 30°, the ambient temperature must not exceed 40 °C (104 °F). You may need to use forced air cooling (fan,A/C) to ensure the ambient operating temperature is 40°C or less (104 °F or less).

### Clearance

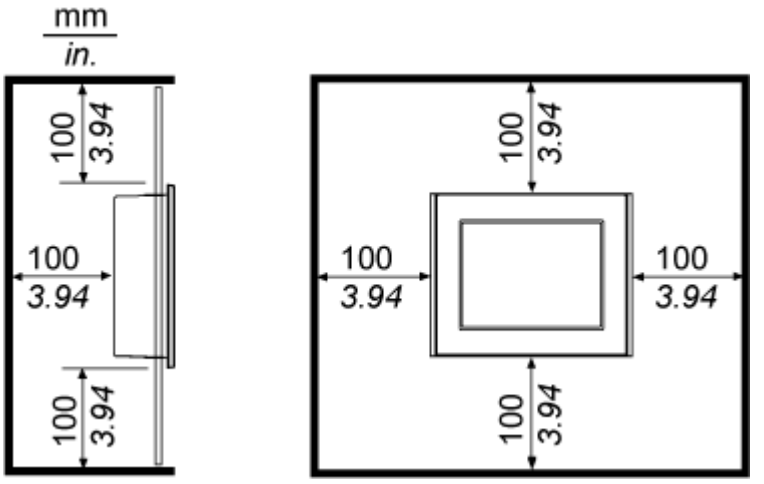


Image of product / Alternate images

**Alternative**








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