# Product data sheet

Specifications



## advanced touchscreen panel - 640 x 480 pixels VGA - 7.5" - STN LCD - 24 V DC

XBTGT4230

Discontinued on: Jun 30, 2014

End-of-service on: Dec 31, 2025

Discontinued - Service only

**Product availability: Non-Stock - Not normally stocked in distribution facility**

## Main

| | |
|---|---|
| **Range of Product** | Harmony XBTGT |
| **Product or Component Type** | Advanced touchscreen panel |
| **Display Type** | Backlit colour STN LCD |
| **Display colour** | 4096 colours |
| **Display Resolution** | 640 x 480 pixels VGA |
| **Display size** | 7.5 inch |
| **Software Type** | Configuration software |
| **Software Designation** | Vijeo Designer |
| **Operating System** | Harmony |
| **Processor name** | CPU RISC |
| **Processor frequency** | 266 MHz |
| **Memory description** | 512 KB SRAM back up of data lithium battery<br>32 MB flash EPROM application memory |
| **Integrated connection type** | RJ45 COM2 serial link RS485 <= 187.5 kbit/s Siemens MPI (187.5 kbits/s)<br>male SUB-D 9 COM1 serial link RS232C/RS422/RS485 <= 115.2 kbits/s<br>removable screw terminal block power supply<br>RJ45 Ethernet TCP/IP<br>3 removable screw terminal block digital output<br>removable screw terminal block audio output<br>removable screw terminal block digital input<br>USB type A master port (V1.1) |
| **Resistance to electrostatic discharge** | 6 kV IEC 61000-4-2 level 3 |
| **Cut-out dimensions** | 204.5 (+ 1/- 0) x 159.5 (+ 1/- 0) mm |

## Complementary

| | |
|---|---|
| **Touch sensitive zone** | 1024 x 1024 |
| **Touch panel** | Analogue |
| **Backlight lifespan** | 54000 hours |
| **Brightness** | 8 levels via touch panel |
| **Contrast** | 8 levels via touch panel |

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

| | |
|---|---|
| **Character font** | Chinese (simplified Chinese)<br>ASCII (European characters)<br>Korean<br>Taiwanese (traditional Chinese)<br>Japanese (ANK, Kanji) |
| **[Us] rated supply voltage** | 24 V DC |
| **Supply** | External source |
| **Supply voltage limits** | 19.2…28.8 V |
| **Inrush current** | 30 A |
| **Power Consumption in W** | 28 W |
| **Local signalling** | 1 LED (green or orange) for normal operation or backlighting faulty |
| **Number of pages** | Limited by internal memory capacity |
| **Downloadable protocols** | Telemecanique Modicon FIPWAY<br>Telemecanique Modicon Modbus Plus<br>Telemecanique Modicon Modbus TCP<br>Telemecanique Modicon Modbus<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>Telemecanique Modicon Uni-TE |
| **Realtime clock** | Built-in |
| **Data storage equipment** | 1 Compact Flash card >= 1 GB |
| **Use of slot** | For 1 fieldbus communication card (Device Net, Profibus DP) |
| **Port Ethernet** | 10BASE-T/100BASE-TX |
| **Product mounting** | Flush mounting |
| **Fixing Mode** | By 4 screw clamps<br>By 4 spring clips |
| **Front material** | Aluminium alloy |
| **Enclosure Material** | PPT |
| **Marking** | CE |
| **Width** | 8.5 in (215 mm) |
| **Height** | 6.7 in (170 mm) |
| **Depth** | 2.4 in (60 mm) |
| **Product Weight** | 4.0 lb(US) (1.8 kg) |

# Environment

| | |
|---|---|
| **Immunity to microbreaks** | 10 ms |
| **Standards** | EN 61131-2<br>UL 508<br>FCC Class A<br>CSA C22.2 No 14<br>UL 1604<br>IEC 61000-6-2 |
| **Product Certifications** | C-tick<br>ATEX zone 2/22<br>cULus<br>CSA Class 1 Division 2 T4A<br>UL Class 1 Division 2 T5<br>UL Class 1 Division 2 T4A<br>CSA Class 1 Division 2 T5 |
| **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** | 15 gn 11 ms IEC 60068-2-27 |
| **Vibration resistance** | 1 gn 9…150 Hz)IEC 60068-2-6<br>3.5 mm 5…9 Hz)IEC 60068-2-6 |
| **Resistance to electromagnetic fields** | 9.1 V/m (10 V/m) IEC 61000-4-3 |
| **Resistance to fast transients** | 2 kV IEC 61000-4-4 level 3 |

## Ordering and shipping details

| | |
|---|---|
| **Category** | US10MC222569 |
| **Discount Schedule** | 0MC2 |
| **GTIN** | 3595863885712 |
| **Returnability** | No |

## 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 >

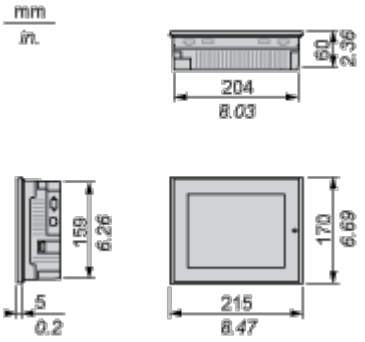
### Use Longer

#### Lifetime extension

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

Dimensions Drawings

## Dimensions

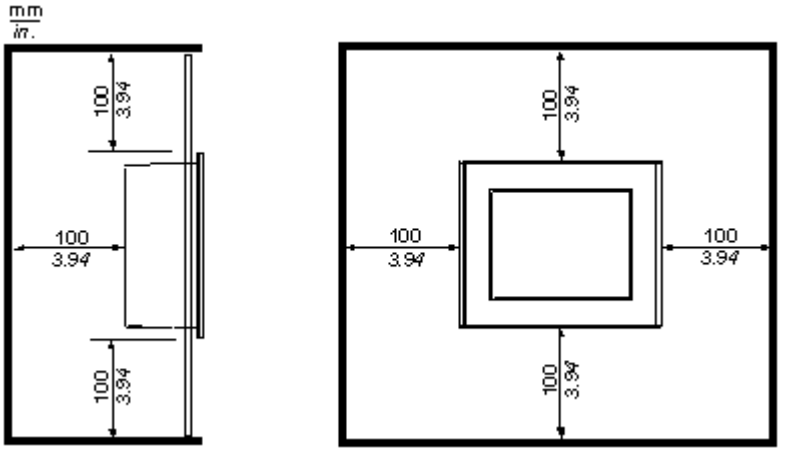


Mounting and Clearance

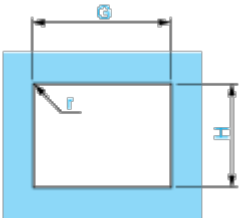
## Clearance

### Installation Requirements

For easier maintenance, operation and improved ventilation, be sure to install the unit at least 100 mm (3.94 in) away from adjacent structures and other equipment:



## Panel Cut-out Dimensions




Dimensions in mm

| Graphic Display Terminal | Cut-out for Flush Mounting | | | |
|---|---|---|---|---|
| | H (-/+ 0.1 mm) | G (-/+ 0.1 mm) | r | Panel Thickness |
| XBTGT1105<br>XBTGT1135<br>XBTGT1335 | 92.5 | 118 | 3 max. | 1.6 ... 5 |
| XBTGT2110<br>XBTGT2120<br>XBTGT2130<br>XBTGT2220<br>XBTGT2330 | 123.5 | 156 | 3 max. | 1.6 ... 5 |
| XBTGT4230<br>XBTGT4330<br>XBTGT4340 | 159.5 | 204.5 | 3 max. | 1.6 ... 10 |
| XBTGT5230<br>XBTGT6330<br>XBTGT6340 | 227.5 | 301.5 | 3 max. | 1.6 ... 10 |
| XBTGT5330<br>XBTGT5340 | 201 | 259 | 3 max. | 1.6 ... 10 |
| XBTGT7340 | 282.5 | 383.5 | 3 max. | 1.6 ... 10 |

Dimensions in in.

| Graphic Display Terminal | Cut-out for Flush Mounting | | | |
|---|---|---|---|---|
| | H (-/+0.004 in.) | G (-/+0.004 in.) | r | Panel Thickness |
| XBTGT1105<br>XBTGT1135<br>XBTGT1335 | 3.64 | 4.65 | 0.12 max. | 0.06 ... 0.20 |
| XBTGT2110<br>XBTGT2120<br>XBTGT2130<br>XBTGT2220<br>XBTGT2330 | 4.86 | 6.14 | 0.12 max. | 0.06 ... 0.20 |
| XBTGT4230<br>XBTGT4330<br>XBTGT4340 | 6.28 | 8.05 | 0.12 max. | 0.06 ... 0.39 |
| XBTGT5230<br>XBTGT6330<br>XBTGT6340 | 8.96 | 11.87 | 0.12 max. | 0.06 ... 0.39 |

| Graphic Display Terminal | Cut-out for Flush Mounting | | | |
|---|---|---|---|---|
| | H (-/+0.004 in.) | G (-/+0.004 in.) | r | Panel Thickness |
| XBTGT5330<br>XBTGT5340 | 7.91 | 10.20 | 0.12 max. | 0.06 ... 0.39 |
| XBTGT7340 | 11.12 | 15.10 | 0.12 max. | 0.06 ... 0.39 |