

# Product datasheet

Specifications



advanced hand-held panel - 640 x 480 pixels VGA - 5.7" - TFT LCD - 24 V DC

Local distributor code: 395514146 XBTGH2460

! To be discontinued on: 30 September 2022

! To be end-of-service on: 31 December 2025

! To be discontinued

## Main

|                                       |   |
|---------------------------------------|---|
| Range of product                      | Harmony XBTGH   |
| Product or component type             | Advanced hand-held panel  |
| Display type                          | Backlit colour TFT LCD  |
| Display colour                        | 65536 colours   |
| Display resolution                    | 640 x 480 pixels VGA  |
| Display size                          | 5.7 inch  |
| Control type                          | 1 emergency stop<br>1 key switch<br>1 enable switch   |
| Contacts type and composition         | 1 NC + 1 NO for key switch<br>2 NO for enable switch<br>2 NC + 1 NO   |
| 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 with lithium battery back-up<br>32 MB flash EPROM application memory  |
| Integrated connection type            | 1USB type A master port (V1.1)<br>24-pin Faston connector connector COM1 serial link, compatible with junction box<br>24-pin Faston connector connector Ethernet TCP/IP, compatible with junction box<br>24-pin Faston connector connector power supply, compatible with junction box |
| Resistance to electrostatic discharge | 6 kV conforming to IEC 61000-4-2 level 3  |

## Complementary

|                      |  |
|----------------------|--|
| Touch sensitive zone | 1024 x 1024  |
| Touch panel          | Analogue   |
| Backlight lifespan   | 50000 hours  |
| Brightness           | 16 levels via touch panel  |
| Character font       | Taiwanese (traditional Chinese)<br>Korean<br>Chinese (simplified Chinese)<br>ASCII (European characters) |

|   |   |
|---|---|
| <b>[Us] rated supply voltage</b>              | 24 V DC   |
| <b>Supply</b>                                 | External source   |
| <b>Supply voltage limits</b>                  | 19.2...28.8 V   |
| <b>[Ue] rated operational voltage</b>         | 24 V DC for key switch<br>30 V DC for emergency stop<br>30 V DC for enable switch   |
| <b>Maximum [Ie] rated operational current</b> | 1 A for emergency stop<br>0.3 A for key switch<br>0.7 A for control handle  |
| <b>Inrush current</b>                         | 60 A  |
| <b>Power consumption in W</b>                 | 16.7 W  |
| <b>Number of Operation keys</b>               | 1 with LED  |
| <b>Number of static function keys</b>         | 11 with labels  |
| <b>Local signalling</b>                       | 1 LED (green or orange) for normal operation or backlighting faulty   |
| <b>Downloadable protocols</b>                 | Schneider Electric Modicon Modbus<br>Schneider Electric Modicon Modbus TCP/IP<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 Uni-TE |
| <b>Realtime clock</b>                         | Built-in  |
| <b>Data storage equipment</b>                 | 1 Compact Flash card $\geq$ 1 GB  |
| <b>Enclosure material</b>                     | PPT   |
| <b>Marking</b>                                | CE  |
| <b>Width</b>                                  | 224 mm  |
| <b>Height</b>                                 | 174 mm  |
| <b>Depth</b>                                  | 87.1 mm   |
| <b>Net weight</b>                             | 1 kg  |

## Environment

|  |  |
|--|--|
| <b>Immunity to microbreaks</b>               | 5 ms   |
| <b>Standards</b>                             | UL 508<br>FCC Class A<br>IEC 61000-6-2<br>EN 61131-2   |
| <b>Product certifications</b>                | C-Tick<br>cULus  |
| <b>Ambient air temperature for operation</b> | 0...40 °C  |
| <b>Ambient air temperature for storage</b>   | -20...60 °C  |
| <b>Relative humidity</b>                     | 0...90 % without condensation  |
| <b>Operating altitude</b>                    | < 2000 m   |
| <b>IP degree of protection</b>               | IP65 conforming to IEC 60529   |
| <b>Shock resistance</b>                      | 15 gn for 11 ms conforming to IEC 60068-2-27   |
| <b>Vibration resistance</b>                  | 1 gn conforming to IEC 60068-2-6 (f = 9...150 Hz)<br>3.5 mm conforming to IEC 60068-2-6 (f = 5...9 Hz) |
| <b>Resistance to electromagnetic fields</b>  | 10 V/m conforming to IEC 61000-4-3   |
| <b>Resistance to fast transients</b>         | 2 kV conforming to IEC 61000-4-4 level 3   |

## Packing Units

|                              |          |
|------------------------------|----------|
| Unit Type of Package 1       | PCE      |
| Number of Units in Package 1 | 1        |
| Package 1 Weight             | 1.918 kg |
| Package 1 Height             | 18.2 cm  |
| Package 1 width              | 26.7 cm  |
| Package 1 Length             | 30.5 cm  |
| Unit Type of Package 2       | S04      |
| Number of Units in Package 2 | 2        |
| Package 2 Weight             | 4.374 kg |
| Package 2 Height             | 30 cm    |
| Package 2 width              | 40 cm    |
| Package 2 Length             | 60 cm    |

## Offer Sustainability

|                            |   |
|----------------------------|---|
| Sustainable offer status   | Green Premium product   |
| REACH Regulation           | <a href="#">REACH Declaration</a>   |
| REACH free of SVHC         | Yes   |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope)<br><a href="#">EU RoHS Declaration</a>                           |
| Mercury free               | Yes   |
| RoHS exemption information | <a href="#">Yes</a>   |
| China RoHS Regulation      | <a href="#">China RoHS declaration</a>  |
| Environmental Disclosure   | <a href="#">Product Environmental Profile</a>   |
| Circularity Profile        | <a href="#">End of Life Information</a>   |
| WEEE                       | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |

## Contractual warranty

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

Dimensions

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mm  
in.

