

Product datasheet

Specifications



Advanced touchscreen panel, Harmony GTO, 5.7 Color Touch QVGA TFT, coated display

HMIGTO2300FC

Main

Range of product	Harmony GTO
Product or component type	Advanced touchscreen panel
Display colour	65536 colours
Display size	5.7 inch
Supply	External source
Battery type	Lithium battery for internal RAM, autonomy: 100 days, charging time = 5 day(s), battery life = 10 year(s)

Complementary

Terminal type	Touchscreen display
Display type	Backlit colour TFT LCD
Display resolution	320 x 240 pixels QVGA
Touch sensitive zone	1024 x 1024
Touch panel	Resistive film, 1000000 cycles
Backlight lifespan	50000 hours white at 25 °C
Brightness	16 levels - control by touch panel 16 levels - control by software
Character font	Chinese (simplified Chinese) Japanese (ANK, Kanji) ASCII (European characters) Taiwanese (traditional Chinese) 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	6.5 W when power is not supplied to external devices 4.5 W when backlight is OFF 5 W when backlight is dimmed 10.5 W
Local signalling	Status LED green, steady for offline Status LED green, steady for operating Status LED orange, flashing for software starting up Status LED red, steady for power supply (ON) Status LED clear, faded for power supply (OFF) COM2 LED yellow, steady for data is being transmitted COM2 LED yellow, faded for no data transmission SD card LED green, steady for card is inserted SD card LED green, faded for card is not inserted or is not being accessed
Software designation	Vijeo Designer configuration software >= V6.1

Memory description	Flash EPROM, 64 MB
Data backed up	128 kB internal RAM (SRAM)
Downloadable protocols	Schneider Electric Modicon Modbus Schneider Electric Modicon Uni-TE Schneider Electric Modicon Modbus Plus Schneider Electric Modicon FIPWAY Mitsubishi Melsec third party protocols Omron Sysmac third party protocols Rockwell Automation Allen-Bradley third party protocols Siemens Simatic third party protocols
Integrated connection type	COM1 serial link SUB-D 9, interface: RS232C, transmission rate: 2400...115200 bps COM2 serial link RJ45, interface: RS485, transmission rate: 2400...115200 bps COM2 serial link RJ45, interface: RS485, transmission rate: 187.5 kbps compatible with Siemens MPI USB 2.0 type A 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	169.5 mm
Height	137 mm
Depth	59.5 mm
Net weight	0.8 kg

Environment

Standards	IEC 61000-6-2 UL 508 EN 61131-2
Product certifications	KCC CE cULus C-Tick
Ambient air temperature for operation	0...50 °C
Ambient air temperature for storage	-20...60 °C
Relative humidity	10...90 % without condensation
Operating altitude	< 2000 m
IP degree of protection	IP20 (rear panel) conforming to IEC 60529 IP65 (front panel) conforming to IEC 60529
NEMA degree of protection	NEMA 4X front panel (indoor use)
Shock resistance	147 m/s ² 3 chocks in each direction X, Y and Z conforming to EN/IEC 61131-2
Vibration resistance	3.5 mm (f = 5...9 Hz) - X, Y, Z directions for 10 cycles (approx. 100 min) - conforming to EN/IEC 61131-2 1 gn (f = 9...150 Hz) - X, Y, Z directions for 10 cycles (approx. 100 min) - conforming to EN/IEC 61131-2
Resistance to electrostatic discharge	6 kV contact discharge conforming to IEC 61000-4-2 level 3

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	14.5 cm
Package 1 Width	18.5 cm
Package 1 Length	23.5 cm

Package 1 Weight	1.108 kg
Unit Type of Package 2	S03
Number of Units in Package 2	4
Package 2 Height	30.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	4.532 kg

Offer Sustainability

REACH Regulation	REACH Declaration
REACH free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration

Recommended replacement(s)