

Product data sheet

Specifications



Advanced touchscreen panel, Harmony GTO, 7.5 Color Touch VGA TFT, logo removed

HMIGTO4310FW

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

Main

Range of Product	Harmony GTO
Product or Component Type	Advanced touchscreen panel
Display colour	65536 colours
Display size	7.5 inch
Supply	External source
Battery type	Lithium internal RAM 100 days 5 day(s) 10 year(s)

Complementary

Terminal type	Touchscreen display
Display Type	Backlit colour TFT LCD
Display Resolution	640 x 480 pixels VGA
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 16 levels by software
Character font	Taiwanese (traditional Chinese) Japanese (ANK, Kanji) Chinese (simplified Chinese) ASCII 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 5 W when backlight is OFF 5.5 W when backlight is dimmed 12 W
Local signalling	Status LED green, steady offline Status LED green, steady operating Status LED orange, flashing software starting up Status LED red, steady power supply (ON) Status LED clear, faded power supply (OFF) COM2 LED yellow, steady data is being transmitted COM2 LED yellow, faded no data transmission SD card LED green, steady card is inserted SD card LED green, faded card is not inserted or is not being accessed
Software designation	Vijeo Designer configuration software >= V6.1
Memory description	Flash EPROM, 96 MB

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

Data backed up	512 KB internal RAM SRAM)
Data storage equipment	SD card, <= 32 GB SDHC card, <= 32 GB
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 Schneider Electric Modicon Modbus TCP
Integrated connection type	COM1 serial link SUB-D 9 RS232C 2400...115200 bps COM2 serial link RJ45 RS485 2400...115200 bps COM2 serial link RJ45 RS485 187.5 kbps Siemens MPI Ethernet RJ45 10BASE-T/100BASE-TX Ethernet RJ45 IEEE 802.3 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	8.6 in (218 mm)
Height	6.8 in (173 mm)
Depth	2.4 in (60 mm)
Product Weight	2.6 lb(US) (1.2 kg)

Environment

Standards	IEC 61000-6-2 UL 508 IEC 61131-2
Product Certifications	KCC CE C-tick cULus UKCA UKEX
Ambient Air Temperature for Operation	32...131 °F (0...55 °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) 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 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
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Discount Schedule	0MC2
GTIN	3606480841743
Returnability	No
Country of origin	CN

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	5.71 in (14.5 cm)
Package 1 Width	10.43 in (26.5 cm)
Package 1 Length	12.01 in (30.5 cm)
Package weight(Lbs)	3.48 lb(US) (1.58 kg)
Unit Type of Package 2	S04
Number of Units in Package 2	4
Package 2 Height	11.81 in (30.0 cm)
Package 2 Width	15.75 in (40.0 cm)
Package 2 Length	23.62 in (60.0 cm)
Package 2 Weight	16.958 lb(US) (7.692 kg)

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	
Carbon footprint (kg CO2 eq, Total Life cycle)	620
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
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
SCIP Number	76565be4-97e1-4441-9623-82d029ddb7ce
REACH Regulation	REACH Declaration
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 Again

Repack and remanufacture	
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.