## Product data sheet

### HMIGTO4310
advanced touchscreen panel 640 x 480 pixels
VGA- 7.5" - TFT - 96 MB

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### Characteristics

#### Main

- **Range of product**: Magelis GTO
- **Product or component type**: Advanced touchscreen panel
- **Display colour**: 65536 colours
- **Display size**: 7.5 inch
- **Supply**: External source
- **Operating system**: Magelis
- **Battery type**: Lithium battery for internal RAM, autonomy: 100 days, charging time = 5 d, battery life = 10 yr

#### 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) at 25 °C
- **Brightness**: 16 levels - control by touch panel
- **Character font**: ASCII
  - Chinese (simplified Chinese)
  - Japanese (ANK, Kanji)
  - Korean
  - Taiwanese (traditional Chinese)
- **[Us] rated supply voltage**: 24 V DC
- **Supply voltage limits**: 19.2...28.8 V
- **Inrush current**: <= 30 A
- **Power consumption in W**: <= 12 W
  - <= 8 W (when power is not supplied to external devices)
  - <= 5 W (when backlight is OFF)
  - <= 5.5 W (when backlight is dimmed)
- **Local signalling**: Status LED (orange) flashing software starting up

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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

Sep 30, 2019
Status LED: Green steady offline
Status LED: Green steady operating
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
96 MB flash (EPROM)
512 kB internal RAM (SRAM)

Data storage equipment
SD card <= 32 GB
SDHC card <= 32 GB

Downloadable protocols
Modbus Plus Schneider Electric Modicon
FIPWAY Schneider Electric Modicon
Modbus TCP Schneider Electric Modicon
Modbus Schneider Electric Modicon
Third party protocols Mitsubishi Melsec
Third party protocols Omron Sysmac
Third party protocols Rockwell Automation Allen-Bradley
Third party protocols Siemens Simatic
Uni-TE Schneider Electric Modicon

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
Ethernet RJ45, interface: 10BASE-T/100BASE-TX
Ethernet RJ45, interface: IEEE 802.3
USB 2.0 type A
USB 2.0 type mini B

Product mounting
Flush mounting
By 4 screw clamps

Fixing mode
By 4 screw clamps

Front material
PPT
Enclosure material
PPT

Type of cooling
Natural convection

Width
218 mm
Height
173 mm
Depth
60 mm

Product weight
1.2 kg

Environment

Standards
EN 61131-2
IEC 61000-6-2
UL 508

Product certifications
CE
C-Tick
cULus
KCC

Ambient air temperature for operation
0…55 °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/s² 3 shocks in each direction X, Y and Z conforming to EN/IEC 61131-2

Vibration resistance
3.5 mm (f = 5...9 Hz) conforming to EN/IEC 61131-2 X, Y, Z directions for 10 cycles (approx. 100 min)
1 gn (f = 9...150 Hz) conforming to EN/IEC 61131-2 X, Y, Z directions for 10 cycles (approx. 100 min)

Resistance to electrostatic discharge
6 kV contact discharge conforming to IEC 61000-4-2 level 3
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<td>REACh</td>
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