# Product data sheet

## Characteristics

**HMIGTO6310**
advanced touchscreen panel 800 x 600 pixels
SVGA- 12.1” TFT - 96 MB

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## Main

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Range of product</td>
<td>Magelis GTO</td>
</tr>
<tr>
<td>Product or component type</td>
<td>Advanced touchscreen panel</td>
</tr>
<tr>
<td>Display colour</td>
<td>65536 colours</td>
</tr>
<tr>
<td>Display size</td>
<td>12.1 inch</td>
</tr>
<tr>
<td>Supply</td>
<td>External source</td>
</tr>
<tr>
<td>Operating system</td>
<td>Magelis</td>
</tr>
<tr>
<td>Battery type</td>
<td>Lithium battery for internal RAM, autonomy: 100 days, charging time = 5 day(s), battery life = 10 year(s)</td>
</tr>
</tbody>
</table>

## Complementary

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Terminal type</td>
<td>Touchscreen display</td>
</tr>
<tr>
<td>Display type</td>
<td>Backlit colour TFT LCD</td>
</tr>
<tr>
<td>Display resolution</td>
<td>800 x 600 pixels SVGA</td>
</tr>
<tr>
<td>Touch sensitive zone</td>
<td>1024 x 1024</td>
</tr>
<tr>
<td>Touch panel</td>
<td>Resistive film, 1000000 cycles</td>
</tr>
<tr>
<td>Backlight lifespan</td>
<td>50000 hours white at 25 °C</td>
</tr>
<tr>
<td>Brightness</td>
<td>16 levels - control by touch panel</td>
</tr>
<tr>
<td></td>
<td>16 levels - control by software</td>
</tr>
<tr>
<td>Character font</td>
<td>Taiwanese (traditional Chinese)</td>
</tr>
<tr>
<td></td>
<td>ASCII (European characters)</td>
</tr>
<tr>
<td></td>
<td>Chinese (simplified Chinese)</td>
</tr>
<tr>
<td></td>
<td>Japanese (ANK, Kanji)</td>
</tr>
<tr>
<td></td>
<td>Korean</td>
</tr>
<tr>
<td>[Us] rated supply voltage</td>
<td>24 V DC</td>
</tr>
<tr>
<td>Supply voltage limits</td>
<td>19.2…28.8 V</td>
</tr>
<tr>
<td>Inrush current</td>
<td>30 A</td>
</tr>
<tr>
<td>Maximum power consumption in W</td>
<td>12 W when power is not supplied to external devices</td>
</tr>
<tr>
<td></td>
<td>7 W when backlight is OFF</td>
</tr>
<tr>
<td></td>
<td>8 W when backlight is dimmed</td>
</tr>
<tr>
<td></td>
<td>17 W</td>
</tr>
</tbody>
</table>

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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.

Jan 7, 2020
### 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, 96 MB
- 512 kB internal RAM (SRAM)

### Data backed up
- SD card, <= 32 GB
- SDHC card, <= 32 GB

### Data storage equipment
- 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, 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
- PPT

### Front material
- PPT

### Enclosure material
- PPT

### Type of cooling
- Natural convection

### Width
- 315 mm

### Height
- 241 mm

### Depth
- 56 mm

### Net weight
- 2.5 kg

### Environment

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

#### Product certifications
- C-Tick
- KCC
- CULus
- CE

#### 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 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
### Offer Sustainability

<table>
<thead>
<tr>
<th>Sustainable offer status</th>
<th>Green Premium product</th>
</tr>
</thead>
<tbody>
<tr>
<td>REACh Regulation</td>
<td>REACh Declaration</td>
</tr>
<tr>
<td>REACh free of SVHC</td>
<td>Yes</td>
</tr>
</tbody>
</table>
| 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 |
| WEEE                          | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |

### Contractual warranty

<table>
<thead>
<tr>
<th>Warranty</th>
<th>18 months</th>
</tr>
</thead>
</table>