# Product data sheet

**HMIST6400**

7"W touch panel display, 2COM, 2Ethernet, USB host&device, 24VDC

## Main

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Range of product</td>
<td>Magelis ST6</td>
</tr>
<tr>
<td>Product or component type</td>
<td>Touch panel screen</td>
</tr>
<tr>
<td>Software designation</td>
<td>EcoStruxure Operator Terminal Expert</td>
</tr>
<tr>
<td>Processor name</td>
<td>ARM Cortex-A8</td>
</tr>
</tbody>
</table>

## Complementary

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Display size</td>
<td>7 inch</td>
</tr>
<tr>
<td>Display type</td>
<td>Colour TFT LCD</td>
</tr>
<tr>
<td>Display colour</td>
<td>16 million colours</td>
</tr>
<tr>
<td>Display resolution</td>
<td>800 x 480 pixels WVGA</td>
</tr>
<tr>
<td>Touch panel</td>
<td>Single touch analogue resistive</td>
</tr>
<tr>
<td>Backlight lifespan</td>
<td>50000 hours with white</td>
</tr>
<tr>
<td>Brightness</td>
<td>16 levels</td>
</tr>
<tr>
<td>Character font</td>
<td>ASCII</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>Katakana</td>
</tr>
<tr>
<td></td>
<td>Korean</td>
</tr>
<tr>
<td></td>
<td>Taiwanese (traditional Chinese)</td>
</tr>
<tr>
<td>[Us] rated supply voltage</td>
<td>24 V DC +/- 20 %</td>
</tr>
<tr>
<td>Inrush current</td>
<td>30 A</td>
</tr>
<tr>
<td>Local signalling</td>
<td>Status LED green, steady for offline</td>
</tr>
<tr>
<td></td>
<td>Status LED green, steady for operating</td>
</tr>
<tr>
<td></td>
<td>Status LED green, flashing for operating</td>
</tr>
<tr>
<td></td>
<td>Status LED green, faded for stand-by</td>
</tr>
<tr>
<td></td>
<td>Status LED orange, flashing for software starting up</td>
</tr>
<tr>
<td></td>
<td>Status LED red, steady for power supply (ON)</td>
</tr>
<tr>
<td></td>
<td>Status LED red, flashing for operating</td>
</tr>
<tr>
<td></td>
<td>Status LED red, off for power supply (OFF)</td>
</tr>
<tr>
<td>Power consumption in W</td>
<td>9 W</td>
</tr>
<tr>
<td>Number of pages</td>
<td>200 application pages</td>
</tr>
<tr>
<td>Processor frequency</td>
<td>800 MHz</td>
</tr>
<tr>
<td>Port Ethernet</td>
<td>10/100BASE</td>
</tr>
<tr>
<td>Memory description</td>
<td>Backup memory 512 kB</td>
</tr>
<tr>
<td></td>
<td>Device memory 1 GB</td>
</tr>
</tbody>
</table>

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.

Aug 28, 2019
### User data memory
- 512 MB

### Integrated connection type
- 1 COM1 serial link - 1 SUB-D 9-pin female - RS232C (rate: 2400...115200 bps bottom)
- 1 COM2 serial link - female RJ45 - RS485 (rate: 2400...115200 bps back)
- COM2 serial link (rate: 2400...187500 bps back)
- 1 USB 2.0 type A bottom
- 1 USB 2.0 type micro B
- 2 Ethernet

### Supply
- External supply

### Realtime clock
- Built-in 0...50 °C
- Built-in 10...90 % RH

### Downloadable protocols
- Modbus
- Modbus Plus
- Third party protocols
- Uni-TE

### Product brand
- Mitsubishi Melsec
- Omron Sysmac
- Rockwell Automation Allen-Bradley
- Schneider Electric Modicon
- Siemens Simatic

### Fixing mode
- By 4 screws, mounting on 1.6...5 mm thick panel conforming to UL 61010-2-201
- By 4 screws conforming to EN 61131-2
- By 4 screws conforming to IEC 61000-6-2

### Enclosure material
- PC

### Front material
- Aluminium

### Marking
- CE

### Cut-out dimensions
- 190 x 135 mm panel cut dimension

### Height
- 153 mm

### Width
- 208 mm

### Depth
- 45 mm

### Product weight
- 0.8 kg

### Environment

#### Immunity to microbreaks
- 5 ms

#### Standards
- EN 61000-6-2
- EN 61000-6-4
- EN 61131-2
- UL 61010-2-201
- CSA C22.2 No 61010-2-201

#### Product certifications
- CE
- CSA
- REACH
- China RoHS

#### Directives
- 2014/30/EU - electromagnetic compatibility
- 2014/35/EU - low voltage directive

#### Ambient air temperature for operation
- 0...50 °C

#### Ambient air temperature for storage
- -20...60 °C

#### Relative humidity
- 10...90 % non-condensing

#### Operating altitude
- 2000 m

#### IP degree of protection
- IP20 rear panel conforming to IEC 61131-2
- IP65 front panel conforming to IEC 61131-2

#### NEMA degree of protection
- NEMA 4 front panel (indoor use)
- NEMA 13 front panel (in enclosure)

#### Shock resistance
- 147 m/s² for 11 ms (X, Y, Z directions for 3 times) 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
- 9.8 m/s² (f = 9...150 Hz)

#### Electromagnetic compatibility
- Electrical fast transient/burst immunity test - test level: 2 kV (power ports) conforming to IEC 61000-4-4
- Electrical fast transient/burst immunity test - test level: 1 kV (signal ports)
- Electrostatic discharge immunity test - test level: 6 kV (contact discharge) conforming to EN/IEC 61000-4-2 level 3
- Electrostatic discharge immunity test - test level: 8 kV (air discharge)
<table>
<thead>
<tr>
<th>Offer Sustainability</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>RoHS (date code: YYWW)</td>
<td>Compliant - since 1848 - Schneider Electric declaration of conformity</td>
</tr>
<tr>
<td>REACh</td>
<td>Reference not containing SVHC above the threshold</td>
</tr>
</tbody>
</table>

Schneider Electric declaration of conformity
Dimensions

External Dimensions

1: Front
2: Left
3: Bottom

Dimensions with Installation Fasteners

1: Front
2: Left
3: Bottom
4: Top
Dimensions with Cables

(1) : Rear
(2) : Right
Mounting and Clearance

Mounting

Panel Cut Dimensions

<table>
<thead>
<tr>
<th>A (mm)</th>
<th>A (in.)</th>
<th>B (mm)</th>
<th>B (in.)</th>
<th>C (mm)</th>
<th>C (in.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>190 (+1, -0)</td>
<td>7.48 (+0.04, -0)</td>
<td>135 (+1, -0)</td>
<td>5.31 (+0.04, -0)</td>
<td>1.6...5</td>
<td>0.06...0.2</td>
</tr>
</tbody>
</table>
Installation Requirements

1: Internal temperature
2: External temperature

1: Power connector

Mounting Angle

0° - 30°
Clearance

`mm`  `in`

Right: 100  3.94

Left: 30  1.18

Top: 30  1.18

Bottom: 30  1.18