The essential guide
Magelis
Human Machine Interfaces
2013
Thanks to its intuitive design, Vijeo Designer - the single configuration software tool for Schneider Electric’s entire HMI range - can process all your operator dialogue projects quickly and easily.

Magelis GTO is the first optimised terminal that does not compromise features and performances for most of the OEM applications

State of the art display
- The 5 screen size range consists of a 65 Kcolour TFT screen that provides the best-ever visualisation of Magelis range.
- The design of the panel, with its LED backlight, allows energy saving and dimming functionality.

Optimised communication
- Magelis GTO offers remote control access and embedded Ethernet provides easy integration in your IT structure.
- The up to date peripheral links enable easy operating use as well as an easy maintenance.

Easy to install and sustainable offer
- With Magelis GTO, you can rely on a long term investment. The existing cut-out is the same size for the new range, enabling you an immediate installation when your current panel needs to be replaced.
- The configuration tool (software) is also the same to enable an immediate restart of the operations.
- The installation is made easy with:
  - only 4 installation fasteners for the whole range
  - unique fast connection power plug for the whole range
  - the connectors located in the same place on the panel for a better wiring

Up to 40%
The 7” wide screen provides a 40% increase in the available screen area.
The external keypad, also available with the 3.5” screen, allows the screen area to provide maximum information.
Magelis solutions for demanding applications
A large range of products for cleanliness and explosive industrial environments.

Designed to meet demanding environment requirements
- The cleanliness is provided by the absence of front joints or groove, and by the corrosion resistant stainless steel grade 304.

Dedicated certifications and standards
- Adapted to hazardous locations: UL & & ATEX**
- Designed to meet hygiene requirements: EN 1672-2
- Non migrating flat seals to avoid contamination: FDA 21 CFR 177.2006
- IDS add-on for software traceability: FDA 21 CFR Part11

Adaptable to your automation architectures
- From ultra rugged operator panel Magelis GTO to Magelis Panel PC, ready to be integrated with your IT structure

Magelis GTO
- Touch screen 65 K colors with stainless steel cover
- One Ethernet connection
- SD card
- IP 66K and conformal coating

Magelis Panel PC
- Touch screen 16 million colours, stainless steel bezel
- Dual Ethernet gigabit, 0 or 2 PCI/PCIe slots
- Compact flash, HDD or flash disk SSD
- Windows operating system
- AC or DC power supply

Magelis Open Panel
- Similar Panel PC with embedded operating system & Vjéo Designer run time unlimited
**Human Machine Interfaces**

**Magelis**, a complete offer of Human Machine Interfaces to meet your needs in a wide range of applications.

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<th>Magelis STO/STU</th>
</tr>
</thead>
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<td>Magelis XBT GT/GK/GTW/GH</td>
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<td></td>
<td>PC Panels</td>
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| Display | Industrial Display | Magelis /Display |

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<td>VijeoDesign'Air</td>
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</tbody>
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This document is a selection of the top selling products.

For more information:
http://www.schneider-electric.com

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## Magelis Small Panels

### Magelis STO with graphic screen

<table>
<thead>
<tr>
<th>Type</th>
<th>Characteristics</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Display</strong></td>
<td>Touchscreen 3.4&quot; (200 x 80 pixels) Monochrome LCD</td>
</tr>
<tr>
<td><strong>Ambient temperature</strong></td>
<td>0...50 °C</td>
</tr>
<tr>
<td><strong>Memory</strong></td>
<td>Application/Backup 16MB/128KB</td>
</tr>
<tr>
<td><strong>Extension</strong></td>
<td>No, via USB stick only</td>
</tr>
<tr>
<td><strong>Functions</strong></td>
<td>Real time clock</td>
</tr>
<tr>
<td><strong>Third-party protocols supported</strong></td>
<td>Siemens, Omron, Mitsubishi, Allen-Bradley (Rockwell Automation), ABB</td>
</tr>
<tr>
<td><strong>Communication</strong></td>
<td>Ethernet port No, No, x1 RJ45, x1 RJ45, No</td>
</tr>
<tr>
<td><strong>USB</strong></td>
<td>USB Type-A (2.0) x 1, USB mini-B (2.0) x 1</td>
</tr>
<tr>
<td><strong>Replaceable Battery</strong></td>
<td>No</td>
</tr>
<tr>
<td><strong>Dimensions</strong></td>
<td>External W x H x D (mm) 117 x 78 x 28</td>
</tr>
<tr>
<td><strong>Supply voltage</strong></td>
<td>24VDC</td>
</tr>
<tr>
<td><strong>Conformity to standards</strong></td>
<td>EN, IEC, UL 508, ISA 12, 12, CSA, Marine Bridge &amp; Deck (1), GOST</td>
</tr>
<tr>
<td><strong>Reference</strong></td>
<td>HMISTO511, HMISTO512, HMISTO531, HMISTO532, HMISTO501</td>
</tr>
</tbody>
</table>

(1) Except HMISTO53.

## Magelis STU with graphic screen

<table>
<thead>
<tr>
<th>Type</th>
<th>Characteristics</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Display</strong></td>
<td>Touchscreen 3.5&quot;: 320 x 240 pixels 5.7&quot;, 320 x 240 pixels 65,536-color TFT</td>
</tr>
<tr>
<td><strong>Ambient temperature</strong></td>
<td>0...50 °C</td>
</tr>
<tr>
<td><strong>Memory</strong></td>
<td>Application/Backup 32MB/64KB</td>
</tr>
<tr>
<td><strong>Extension</strong></td>
<td>No, via USB stick only</td>
</tr>
<tr>
<td><strong>Functions</strong></td>
<td>Real time clock</td>
</tr>
<tr>
<td><strong>Third-party protocols supported</strong></td>
<td>Siemens, Omron, Mitsubishi, Allen-Bradley (Rockwell Automation), ABB</td>
</tr>
<tr>
<td><strong>Communication</strong></td>
<td>Ethernet port x1 RJ45</td>
</tr>
<tr>
<td><strong>USB</strong></td>
<td>USB Type-A (2.0) x 1, USB mini-B (2.0) x 1</td>
</tr>
<tr>
<td><strong>Replaceable Battery</strong></td>
<td>No</td>
</tr>
<tr>
<td><strong>Dimensions</strong></td>
<td>External W x H x D (mm) Front: 98 x 16 x 81, Front: 163 x 17.5 x 129.5 Rear: 118 x 30 x 98</td>
</tr>
<tr>
<td><strong>Supply voltage</strong></td>
<td>24VDC</td>
</tr>
<tr>
<td><strong>Conformity to standards</strong></td>
<td>EN, IEC, UL 508, ISA 12,12, CSA , Marine Bridge &amp; Deck, GOST</td>
</tr>
<tr>
<td><strong>Reference</strong></td>
<td>HMISTU655, HMISTU655W, HMISTU855, HMISTU855W</td>
</tr>
</tbody>
</table>
**Common accessories for Magelis STO/STU**

<table>
<thead>
<tr>
<th>Serial connection to PLC/Drives (1)</th>
<th>HMI STO/STU</th>
<th>Connector/Physical link</th>
<th>Length</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>Twido, Premium, Micro</td>
<td>RJ45 (COM1)</td>
<td>Mini-DIN/RS485</td>
<td>2.5 m</td>
<td>XBT Z9780</td>
</tr>
<tr>
<td>M238/M258/M340, ATS, ATV</td>
<td>RJ45 (COM1)</td>
<td>RJ45/RS485</td>
<td>2.5 m</td>
<td>XBT Z9980</td>
</tr>
<tr>
<td>ATV, ATS</td>
<td>RJ45 (COM1)</td>
<td>RJ45/RS485</td>
<td>1 m</td>
<td>VW3A8306R10</td>
</tr>
<tr>
<td>M340</td>
<td>USB</td>
<td>USB mini-B</td>
<td>1.6 m</td>
<td>BMX XCAUSBH018</td>
</tr>
<tr>
<td>Siemens S7, PPI, MPI</td>
<td>RJ4 5 (COM1)</td>
<td>SUBD9/RS485</td>
<td>2.5 m</td>
<td>XBT ZG9721</td>
</tr>
<tr>
<td>Rockwell Micro-Logix, DF1-Full Duplex</td>
<td>RJ45 (COM1)</td>
<td>8-way mini-DIN /RS232</td>
<td>2.5 m</td>
<td>XBT Z9733</td>
</tr>
<tr>
<td>Rockwell SLC5,</td>
<td>RJ45 (COM1)</td>
<td>SUBD9/RS232</td>
<td>2.5 m</td>
<td>XBT Z9734</td>
</tr>
<tr>
<td>Omron, Sysmac FINS (SIO)</td>
<td>RJ45 (COM1)</td>
<td>SUBD9/RS232</td>
<td>2.5 m</td>
<td>XBT Z9743</td>
</tr>
<tr>
<td>Mitsubishi FX CPU</td>
<td>RJ45 (COM1)</td>
<td>Mini-DIN 8/RS232</td>
<td>2.5 m</td>
<td>HMIZ950</td>
</tr>
</tbody>
</table>

(1) For the full list of connection accessories, please consult our site http://www.schneider-electric.com.

**Accessories and spare parts for Magelis STO**

<table>
<thead>
<tr>
<th>Accessories</th>
<th>HMI Z6S0</th>
</tr>
</thead>
<tbody>
<tr>
<td>Protective sheets</td>
<td></td>
</tr>
<tr>
<td>Communication cable between Zelio Logic SR2/SR3 and HMI/STO501</td>
<td>SR2CBL09</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Spare parts</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Spring Clips</td>
<td>XBT Z3002</td>
</tr>
<tr>
<td>Installation Gasket</td>
<td>HMI Z550</td>
</tr>
<tr>
<td>Set of 5 Power Connectors</td>
<td>HMI ZSPWO</td>
</tr>
</tbody>
</table>

**Accessories and spare parts for Magelis STU**

<table>
<thead>
<tr>
<th>Accessories</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Touchscreen size</td>
<td>3.5’</td>
</tr>
<tr>
<td>5.7’</td>
<td></td>
</tr>
<tr>
<td>Set of 5 Screen Protective Sheets</td>
<td>HMIZ61</td>
</tr>
<tr>
<td>HMIZ62</td>
<td></td>
</tr>
<tr>
<td>Accessory Kit for HMI STU 655/855, contains: USB standard Type A cable holder; USB mini B cable holder; Anti-rotation Tee; 2 Panel adaptors</td>
<td>HMI Z5U KIT</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Spare parts</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Touchscreen size</td>
<td>3.5’</td>
</tr>
<tr>
<td>5.7’</td>
<td></td>
</tr>
<tr>
<td>Front face module (without logotype)</td>
<td>HMIS65 (HMIS65W)</td>
</tr>
<tr>
<td>HMIS65 (HMIS85W)</td>
<td></td>
</tr>
<tr>
<td>Rear CPU module</td>
<td>HMIS5T</td>
</tr>
<tr>
<td>Set of 5 Power Connectors</td>
<td>XBT ZGPWS1</td>
</tr>
<tr>
<td>Kit of 10 display module fixing nuts</td>
<td>ZB5AZ901</td>
</tr>
<tr>
<td>Tightening Wrench</td>
<td>ZB5AZ905</td>
</tr>
</tbody>
</table>
**Magelis **

**Advanced Panel**

**Magelis GTO**

with 3,5” to 12” touchscreen

<table>
<thead>
<tr>
<th>Type</th>
<th>Characteristics (65 536-colour TFT touchscreen)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Degree of protection</td>
<td>Front Face</td>
</tr>
<tr>
<td>Conformal coating</td>
<td>Standard, IP65</td>
</tr>
<tr>
<td>Ambient temperature</td>
<td>0...50 °C</td>
</tr>
<tr>
<td>Memory</td>
<td>Application/Backup</td>
</tr>
<tr>
<td></td>
<td>64MB/128KB / 96MB/512KB</td>
</tr>
<tr>
<td>Extension</td>
<td>No, via USB stick only</td>
</tr>
<tr>
<td>Functions</td>
<td>Real time clock</td>
</tr>
<tr>
<td></td>
<td>Yes, built-in</td>
</tr>
<tr>
<td>Degree of protection</td>
<td>Front Face</td>
</tr>
<tr>
<td>Conformal coating</td>
<td>Standard, IP65</td>
</tr>
<tr>
<td>Ambient temperature</td>
<td>0...55 °C</td>
</tr>
<tr>
<td>Memory</td>
<td>Application/Backup</td>
</tr>
<tr>
<td></td>
<td>64MB/128KB / 96MB/512KB</td>
</tr>
<tr>
<td>Extension</td>
<td>No, via USB stick only</td>
</tr>
<tr>
<td>Functions</td>
<td>Real time clock</td>
</tr>
<tr>
<td></td>
<td>Yes, built-in</td>
</tr>
</tbody>
</table>

**Third-party protocols supported**

- Siemens, Omron, Mitsubishi, Allen-Bradley (Rockwell Automation), ABB

**Communication**

- Ethernet port: No / x1 RJ45
- Serial line: RS 232C (COM1) and RS 485 (COM2) (2)
- USB Type-A (2.0) x 1, USB mini-B (2.0) x 1

**Dimensions**

- External / Cut-out W x H x D (mm): 132 x 106 x 42 / 118.5 x 92.5
- Conformity to standards: EN, IEC, UL, ISA 12.12, CSA, ATEX Zone2/22, Marine Bridge & Deck (3), GOST

**Reference**

- 24 VDC
- HMI GT2430
- HMI GT2300
- HMI GT2310

- Accessories

  - Set of 5 Screen Protective Sheets: HMI ZG60 / HMI ZG62
  - Plastic covers for Harsh Environment (IP67): HMI ZECOV1 / HMI ZECOV2

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**Magelis XBT GT**

with 5,7” to 12” touchscreen

<table>
<thead>
<tr>
<th>Type</th>
<th>Characteristics (65 536-colour TFT touchscreen)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Display</td>
<td>Type</td>
</tr>
<tr>
<td></td>
<td>4096-color STN / 65,536-color TFT</td>
</tr>
<tr>
<td>Ambient temperature</td>
<td>0...50 °C</td>
</tr>
<tr>
<td>Memory</td>
<td>Application/Backup</td>
</tr>
<tr>
<td></td>
<td>16MB/512KB / 32MB/512KB</td>
</tr>
<tr>
<td>Extension</td>
<td>Compact Flash card</td>
</tr>
<tr>
<td>Functions</td>
<td>Real time clock</td>
</tr>
<tr>
<td></td>
<td>Yes, built-in</td>
</tr>
<tr>
<td>Multimedia</td>
<td>No</td>
</tr>
<tr>
<td>HMI Controller function</td>
<td>Yes, with CANopen Master extension (programming in SoMachine software)</td>
</tr>
</tbody>
</table>

**Third-party protocols supported**

- Siemens, Omron, Mitsubishi, Allen-Bradley (Rockwell Automation), ABB

**Communication**

- Ethernet port: No / x1 RJ45
- Serial line: RS232/RS422/RS485 (COM1) + RS485 (COM2)
- USB Type-A (1.1) x 1

**Dimensions**

- External / Cut-out W x H x D (mm): 167.5 x 60 x 135 / 215 x 60 x 170
- Conformity to standards: EN, IEC, UL, ISA 12.12, CSA, ATEX Zone2/22, Marine (4), GOST

**Reference**

- 24VDC
- XBTG2430
- XBTG24230

- Accessories

  - Set of 5 Screen Protective Sheets: XBT ZG70 / XBT ZG70 / XBT ZG70 / XBT ZG70 / XBT ZG70
  - Plastic covers for Harsh Environment (IP67): XBT ZG70 / XBT ZG70 / XBT ZG70 / XBT ZG70 / XBT ZG70
<table>
<thead>
<tr>
<th>Model</th>
<th>Screen Size</th>
<th>Resolution</th>
<th>Processor</th>
<th>OS</th>
<th>Memory</th>
<th>Storage</th>
<th>Communication</th>
<th>Dimensions</th>
<th>Safety Standards</th>
<th>Accessories</th>
</tr>
</thead>
<tbody>
<tr>
<td>HMI GT3100</td>
<td>7.0''</td>
<td>800 x 480 pixels</td>
<td>Standard, IP65</td>
<td>No (1)</td>
<td>96MB/512KB</td>
<td>SD card</td>
<td>x1 RJ45 + RS232/RS422/RS485</td>
<td>218x173x60 / 204.5x159.5</td>
<td>EN, IEC, UL, ISA12.12, CSA, ATEX Zone2/22, Marine Bridge &amp; Deck</td>
<td>–</td>
</tr>
<tr>
<td>HMI GT4310</td>
<td>7.5''</td>
<td>640 x 480 pixels</td>
<td>Stainless steel, IP66K</td>
<td>Yes</td>
<td>–</td>
<td>Yes, built-in</td>
<td>RS 232C (COM1) and RS 485 (COM2) (2)</td>
<td>272.5x214.5x57 / 259x201</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>HMI GT5310</td>
<td>10.4''</td>
<td>640 x 480 pixels</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>USB Type-A (2.0) x 1, USB mini-B (2.0) x 1</td>
<td>327x241x56 / 301.5x227.5</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>HMI GT6310</td>
<td>12.1''</td>
<td>800 x 600 pixels</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>395x285x56 / 340.5x266.5</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>HMI ZG63</td>
<td>7.5''</td>
<td>640 x 480 pixels</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>213.5x181x59.5 / 195x162.5</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>HMI ZG64</td>
<td>10.4''</td>
<td>640 x 480 pixels</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>316.5x258.5x57 / 298x240</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>HMI ZG65</td>
<td>12.1''</td>
<td>800 x 600 pixels</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>359x285x56 / 340.5x266.5</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>HMI ZG66</td>
<td>15''</td>
<td>1024 x 768 pixels</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>HMI ZECOV4</td>
<td>65,536-color TFT</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
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<tr>
<td>HMI ZECOV5</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
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<td>–</td>
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<tr>
<td>HMI ZECOV6</td>
<td>–</td>
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<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
</tbody>
</table>

### Additional Details
- **Model**: HMI GT3100, HMI GT4310, HMI GT5310, HMI GT6310, HMI ZG63, HMI ZG64, HMI ZG65, HMI ZG66, HMI ZECOV4, HMI ZECOV5, HMI ZECOV6
- **Screen Size**: 7.0'' (800 x 480 pixels), 7.5'' (640 x 480 pixels), 10.4'' (640 x 480 pixels), 12.1'' (800 x 600 pixels)
- **Resolution**: 65,536-color TFT, 640 x 480 pixels, 800 x 600 pixels, 1024 x 768 pixels
- **Processor**: Standard, Stainless steel
- **Memory**: 96MB/512KB, Yes, built-in
- **Storage**: SD card, Compact Flash card
- **Communication**: x1 RJ45, USB Type-A (2.0) x 1, USB mini-B (2.0) x 1, RS232/RS422/RS485 (COM1) + RS485 (COM2)
- **Dimensions**: Various sizes listed
- **Safety Standards**: EN, IEC, UL, ISA12.12, CSA, ATEX Zone2/22, Marine Bridge & Deck
- **Accessories**: Various options listed

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**8000 Series**

- **Model**: Siemens, Omron, Mitsubishi, Allen-Bradley (Rockwell Automation), ABB
- **Screen Size**: 7.5'' (640 x 480 pixels), 10.4'' (640 x 480 pixels), 12.1'' (800 x 600 pixels), 15'' (1024 x 768 pixels)
- **Resolution**: 65,536-color TFT, 640 x 480 pixels, 800 x 600 pixels, 1024 x 768 pixels
- **Processor**: –
- **Memory**: 32MB/512KB, Yes, built-in
- **Storage**: Compact Flash card
- **Communication**: x1 RJ45, Profibus DP, DeviceNet, Modbus Plus, FIP/W, FIPIO
- **Dimensions**: Various sizes listed
- **Safety Standards**: EN, IEC, UL, ISA12.12, CSA, ATEX Zone2/22, Marine (4), GOST
- **Accessories**: Various options listed

---

**XBT Series**

- **Model**: Siemens, Omron, Mitsubishi, Allen-Bradley (Rockwell Automation), ABB
- **Screen Size**: 7.0'' (800 x 480 pixels), 7.5'' (640 x 480 pixels), 10.4'' (640 x 480 pixels), 12.1'' (800 x 600 pixels), 15'' (1024 x 768 pixels)
- **Resolution**: 65,536-color TFT, 640 x 480 pixels, 800 x 600 pixels, 1024 x 768 pixels
- **Processor**: –
- **Memory**: 32MB/512KB, Yes, built-in
- **Storage**: Compact Flash card
- **Communication**: x1 RJ45, RS232/RS422/RS485 (COM1) + RS485 (COM2)
- **Dimensions**: Various sizes listed
- **Safety Standards**: EN, IEC, UL, ISA12.12, CSA, ATEX Zone2/22, Marine (4), GOST
- **Accessories**: Various options listed
## Magelis Advanced Panel

### Magelis XBT GK

**with touchscreen and keypad**

<table>
<thead>
<tr>
<th>Type</th>
<th>Characteristics (65,536-color TFT touchscreen)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>5.7&quot;: 320 x 240 pixels</td>
</tr>
<tr>
<td></td>
<td>10.4&quot;: 840 x 480 pixels</td>
</tr>
<tr>
<td>Data entry</td>
<td></td>
</tr>
<tr>
<td>Soft function keys with LED</td>
<td>14</td>
</tr>
<tr>
<td>Static function keys with LED</td>
<td>10 + legends</td>
</tr>
<tr>
<td>Service keys / Alphanumeric keys</td>
<td>8 / 12</td>
</tr>
<tr>
<td>Industrial pointer</td>
<td>Yes</td>
</tr>
<tr>
<td>Ambient temperature</td>
<td>0...50 °C</td>
</tr>
<tr>
<td>Memory</td>
<td>Application/Backup 16MB/512KB</td>
</tr>
<tr>
<td>Extension</td>
<td>Compact Flash card</td>
</tr>
<tr>
<td>Functions</td>
<td>Real time clock</td>
</tr>
<tr>
<td>Variables max.</td>
<td>Yes, built-in</td>
</tr>
<tr>
<td>HMI Controller function</td>
<td>Yes, with CANopen Master extension</td>
</tr>
<tr>
<td>Communication</td>
<td>Ethernet port x1 RJ45</td>
</tr>
<tr>
<td>Serial line</td>
<td>RS232/RS422/RS485 (COM1) + RS485 (COM2)</td>
</tr>
<tr>
<td>USB</td>
<td>USB Type-A (1,1) x 1</td>
</tr>
<tr>
<td>Dimensions</td>
<td>External / Cut-out W x H x D (mm)</td>
</tr>
<tr>
<td></td>
<td>220.3 x 265 x 60.3 / 209 x 243</td>
</tr>
<tr>
<td>Conformity to standards</td>
<td>EN, IEC, UL 508, ISA 12, 12, CSA, GOST</td>
</tr>
<tr>
<td>Reference</td>
<td>XBTGK2330</td>
</tr>
<tr>
<td></td>
<td>XBTGKS330</td>
</tr>
</tbody>
</table>

### Accessories

- Set of 5 Screen Protective Sheets

### Magelis XBT GH

**with handheld 5.7” touchscreen**

<table>
<thead>
<tr>
<th>Type</th>
<th>Characteristics (65,536-colour TFT touchscreen)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>5.7&quot;: 320 x 240 pixels</td>
</tr>
<tr>
<td>Data entry</td>
<td>Function keys / Operation key</td>
</tr>
<tr>
<td>Safety components</td>
<td>Key Switch</td>
</tr>
<tr>
<td></td>
<td>Yes for ON/OFF</td>
</tr>
<tr>
<td></td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td>Yes, OK signal in intermediate position only</td>
</tr>
<tr>
<td></td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td>Yes, red with 2 safe contacts and one auxiliary contact</td>
</tr>
<tr>
<td>Ambient temperature</td>
<td>0...50 °C</td>
</tr>
<tr>
<td>Memory</td>
<td>Application/Backup 32MB/512KB</td>
</tr>
<tr>
<td>Functions</td>
<td>Real time clock</td>
</tr>
<tr>
<td>Variables max.</td>
<td>Yes, built-in</td>
</tr>
<tr>
<td>Third-party protocols supported</td>
<td>Siemens, Omron, Mitsubishi, Allen-Bradley (Rockwell Automation), ABB</td>
</tr>
<tr>
<td>Communication</td>
<td>USB</td>
</tr>
<tr>
<td>Dimensions</td>
<td>External W x H x D (mm)</td>
</tr>
<tr>
<td></td>
<td>224 x 174 x 87.1</td>
</tr>
<tr>
<td>Conformity to standards</td>
<td>EN, IEC, UL 508</td>
</tr>
<tr>
<td>Reference</td>
<td>24VDC</td>
</tr>
<tr>
<td></td>
<td>XBTGH2460</td>
</tr>
<tr>
<td></td>
<td>XBTGH2460B</td>
</tr>
</tbody>
</table>

### Cable interface

- connection with junction box

<table>
<thead>
<tr>
<th>Length</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 m</td>
<td>XBTZGHL3</td>
</tr>
<tr>
<td>5 m</td>
<td>XBTZGHL5</td>
</tr>
<tr>
<td>10 m</td>
<td>XBTZGHL10</td>
</tr>
</tbody>
</table>

### Junction box

- connection with PLCs

<table>
<thead>
<tr>
<th>Communication</th>
<th>1 SubD9 (RS232 / RS422 - RS 425) serial link, 1 Ethernet RJ45 IEEE 802.3 10/100 T-BASE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Connection</td>
<td>Interface cable 3 or 10 m</td>
</tr>
<tr>
<td>24 pins screw terminals blocks</td>
<td>For 24 V DC supply, state of I/O safety components</td>
</tr>
<tr>
<td>Reference</td>
<td>XBTZGJBOX</td>
</tr>
</tbody>
</table>

A large number of accessories (cables, memory cards, protective sheets, etc.) is available for the Advanced panels range.
### Magelis Open Panel

#### Magelis GTW

<table>
<thead>
<tr>
<th>Type</th>
<th>Characteristics</th>
<th>Standard 10” IP65</th>
<th>Standard 15” IP65</th>
<th>Stainless steel 15” IP65</th>
</tr>
</thead>
<tbody>
<tr>
<td>Display</td>
<td>16 million-colour TFT touchscreen</td>
<td>10.4”, 800x600 pixels</td>
<td>15” (1024 x 768 pixels)</td>
<td>16 million-color TFT, Stainless Steel</td>
</tr>
<tr>
<td>Type</td>
<td>16 million-colour TFT</td>
<td>15” (1024 x 768 pixels)</td>
<td>16 million-color TFT, Stainless Steel</td>
<td></td>
</tr>
<tr>
<td>Ambient temperature</td>
<td>0...50 °C</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CPU</td>
<td>Atom 2510 1.1 Ghz Fanless</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Operating System</td>
<td>Windows Embedded 2009 on 2 GB CF (SLC) storage (1)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pre-installed software</td>
<td>Vijeo Designer Run Time unlimited licence, Office &amp; PDF readers, Internet browser, Net 3.5, Vijeo Citect web client</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Memory</td>
<td>RAM/SHRAM (Backup)</td>
<td>1GB/512KB</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Extension</td>
<td>SD card</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Functions</td>
<td>Real time clock</td>
<td>Yes, built-in</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Variables max.</td>
<td>12000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Third-party protocols supported</td>
<td>Siemens, Omron, Mitsubishi, Allen-Bradley (Rockwell Automation), ABB</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Communication</td>
<td>Ethernet port</td>
<td>x2 RJ45</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Serial line</td>
<td>RS-232C (COM1)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>USB</td>
<td>USB Type-A (2.0) x 3 (2 bottom side and 1 front side)</td>
<td>USB Type-A (2.0) x 2</td>
<td></td>
</tr>
<tr>
<td>Replaceable Battery</td>
<td>Yes</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dimensions</td>
<td>External W x H x D (mm)</td>
<td>323 x 260 x 72</td>
<td>402 x 301 x 72</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Cut-out W x H (mm)</td>
<td>303 x 243</td>
<td>383.5 x 282.5</td>
<td></td>
</tr>
<tr>
<td>Conformity to standards</td>
<td>EN, IEC, UL 508, ISA12.12,CSA</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Reference</td>
<td>24VDC</td>
<td>HMIGTW5354</td>
<td>HMIGTW7354</td>
<td>HMIGTW73545</td>
</tr>
</tbody>
</table>

(1) Please, upgrade to 4GB CF to run Intelligent Data Service add on

### Accessories

- Set of 5 Screen Protective Sheets
- MPC YK2 0SPS KIT
- MPC YK5 0SPS KIT
- MPC YK5 0SPS KIT
- Power line filter for marine certification
- HMIYLFIMAR11
- MPC YK5 0SPS KIT
- MPC YK5 0SPS KIT

### Control extension for XBT GT/GK

<table>
<thead>
<tr>
<th>Type of module</th>
<th>CANopen Master</th>
</tr>
</thead>
<tbody>
<tr>
<td>Characteristics</td>
<td>Class M10 limited 16 slaves, Standard DS301 V4.02</td>
</tr>
<tr>
<td>Reference</td>
<td>XBTZGCANM</td>
</tr>
</tbody>
</table>
## Magelis HMI Controllers
### Magelis XBT GC
#### Compact HMI Controller

### Type

<table>
<thead>
<tr>
<th>Characteristics</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Display</strong></td>
<td>LCD screen size / Resolution&lt;br&gt;5.7” / QVGA</td>
</tr>
<tr>
<td></td>
<td>Type&lt;br&gt;STN monochrome, gray&lt;br&gt;65536-color TFT</td>
</tr>
<tr>
<td><strong>Functions</strong></td>
<td>Representation of variables&lt;br&gt;Alphanumeric, bitmap, bargraph, gauge, button, light, clock, flashing light, keypad</td>
</tr>
<tr>
<td></td>
<td>Curves / Alarm logs&lt;br&gt;Control&lt;br&gt;5 languages IEC</td>
</tr>
<tr>
<td><strong>Communication</strong></td>
<td>Serial link&lt;br&gt;1 Sub9 (RS 232/RS 422 - RS 485)</td>
</tr>
<tr>
<td></td>
<td>Networks&lt;br&gt;Ethernet, IEEE 802.3&lt;br&gt;10/100 BASE-T, RJ45</td>
</tr>
<tr>
<td><strong>Downloadable protocols</strong></td>
<td>Mitsubishi (Melsec), Omron (Sysmac), Rockwell Automation (Allen Bradley), Siemens (Simatic)&lt;br&gt;Unii-TE, Modbus, Modbus TCP</td>
</tr>
<tr>
<td><strong>Development software</strong></td>
<td>SoMachine (on Windows XP and Vista)</td>
</tr>
<tr>
<td><strong>Dimensions W x D x H (mm)</strong></td>
<td>207 x 76 x 157</td>
</tr>
<tr>
<td><strong>Compatibility with PLCs</strong></td>
<td>Twido, Modicon TSX Micro, Modicon Premium, Modicon Quantum, Modicon M340</td>
</tr>
<tr>
<td><strong>&lt;Compact Flash&gt; card slot</strong></td>
<td>No</td>
</tr>
<tr>
<td><strong>USB port Host type</strong></td>
<td>No&lt;br&gt;Yes</td>
</tr>
<tr>
<td><strong>Built-in Ethernet TCP/IP</strong></td>
<td>No&lt;br&gt;Yes</td>
</tr>
<tr>
<td><strong>Integrated I/O</strong></td>
<td>16I/16O 24 VDC</td>
</tr>
<tr>
<td><strong>Extensions</strong></td>
<td>3 modules TM2&lt;br&gt;or CANopen module</td>
</tr>
<tr>
<td><strong>Supply voltage</strong></td>
<td>24 VDC</td>
</tr>
<tr>
<td><strong>References</strong></td>
<td>Source Output&lt;br&gt;XBTGC2120T&lt;br&gt;XBTGC2330T&lt;br&gt;Sink Output&lt;br&gt;XBTGC2120U&lt;br&gt;XBTGC2330U</td>
</tr>
</tbody>
</table>

### Extensions

#### Type of module: CANopen Master

<table>
<thead>
<tr>
<th>Characteristics</th>
<th>Class M10 limited 16 slaves, Standard DS301 V4.02</th>
</tr>
</thead>
<tbody>
<tr>
<td>References</td>
<td>XBTZGCCAN</td>
</tr>
</tbody>
</table>

#### Type of module: Digitals Inputs / Outputs

<table>
<thead>
<tr>
<th>Characteristics</th>
<th>8I&lt;br&gt;24 VDC&lt;br&gt;Screw terminal&lt;br&gt;16I&lt;br&gt;24 VDC&lt;br&gt;Screw terminal&lt;br&gt;32I&lt;br&gt;24 VDC&lt;br&gt;HE10&lt;br&gt;8I&lt;br&gt;120 VAC&lt;br&gt;Screw terminal&lt;br&gt;4I 24 VDC&lt;br&gt;4O Relays&lt;br&gt;Screw terminal&lt;br&gt;16I 24 VDC&lt;br&gt;8O Relays&lt;br&gt;Screw terminal</th>
</tr>
</thead>
<tbody>
<tr>
<td>References</td>
<td>TM2DD08DT&lt;br&gt;TM2DD16DT&lt;br&gt;TM2DD16DK&lt;br&gt;TM2DD32DK&lt;br&gt;TM2DA8DT&lt;br&gt;TM2DM8DR&lt;br&gt;TM2DM24DRF</td>
</tr>
</tbody>
</table>

#### Type of module: Analog Inputs / Outputs

<table>
<thead>
<tr>
<th>Characteristics</th>
<th>2I Current/Voltage&lt;br&gt;2I Thermocouple&lt;br&gt;4I Current/Voltage&lt;br&gt;Temperature&lt;br&gt;8I Current/Voltage&lt;br&gt;8I Temperature&lt;br&gt;8I PTC</th>
</tr>
</thead>
<tbody>
<tr>
<td>References</td>
<td>TM2AMI2HT&lt;br&gt;TM2AMI2LT&lt;br&gt;TM2AMI4LT&lt;br&gt;TM2AMI8HT&lt;br&gt;TM2ARI8LRJ&lt;br&gt;TM2ARI8LT&lt;br&gt;TM2ARI8HT</td>
</tr>
</tbody>
</table>

#### Type of module: Analog Inputs / Outputs

<table>
<thead>
<tr>
<th>Characteristics</th>
<th>1O Current/Voltage&lt;br&gt;2O Voltage&lt;br&gt;2I Current/Voltage&lt;br&gt;1O Current/Voltage&lt;br&gt;2I Temperature&lt;br&gt;1O Current/Voltage&lt;br&gt;4I Current/Voltage&lt;br&gt;2O Current/Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>References</td>
<td>TM2AMO1HT&lt;br&gt;TM2AVO2HT&lt;br&gt;TM2AMM3HT&lt;br&gt;TM2ALM3LT&lt;br&gt;TM2AMM6HT</td>
</tr>
</tbody>
</table>

---

### References

- Source Output: XBTGC2120T, XBTGC2330T
- Sink Output: XBTGC2120U, XBTGC2330U
- TM2DD08DT, TM2DD16DT, TM2DD16DK, TM2DD32DK, TM2DA8DT, TM2DM8DRT, TM2DM24DRF
- TM2DD08UT, TM2DD016UK, TM2DD032UK, –, –
- TM2DD08UT, TM2DD016UK, TM2DD032UK, –
- TM2DD08UT, TM2DD016UK, TM2DD032UK, –
- TM2DD08UT, TM2DD016UK, TM2DD032UK, –
### Magelis USB accessories programmable in Vigiio Designer

<table>
<thead>
<tr>
<th>Description, characteristics</th>
<th>Monolithic Tower Lights Ø 60 mm lens size, IP 42</th>
<th>IllumiSwitch IP65, Ø 22 mm mounting</th>
<th>Biometric Switch IP65, Ø 22 mm mounting</th>
</tr>
</thead>
<tbody>
<tr>
<td>With 3 multi-color LEDs and a clear lens, a 2-tone buzzer (up to 85 dB), pre-assembled USB cable for easy connection, (1), USB cable clamp to ensure firm connection</td>
<td>Holds the USB connection in place</td>
<td>5 customizable function keys with multi-LED. Soft/static F-keys or alarms acknowledge.</td>
<td>Manages access to HMI data, levels of authorization, traceability of users and operations. Database management from PC</td>
</tr>
<tr>
<td>Direct base mounting</td>
<td>100 mm aluminum tube mounting + fixing plate</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Compatibility with Magelis
- XBT GT/GK/GC; HMI GTO
- XBT GT/GK/GC; HMI GTO/GTW; IPC

<table>
<thead>
<tr>
<th>Reference</th>
<th>XVGUSWV</th>
<th>XVGUSHAV</th>
</tr>
</thead>
</table>

(1) For connection to HMI, use either the Schneider Electric USB cable (BMXXCAUSBH018) or a third-party USB Type A/mini B cable of maximum length 4 m/13.12 ft.

### Advanced Panels Accessories

#### Type of accessories

<table>
<thead>
<tr>
<th>Blank memory cards, industrial grade</th>
<th>Compact Flash 2 GB</th>
<th>XBT GT/GK; HMI GTW</th>
<th>HMYCSFS0211</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compact Flash 4 GB</td>
<td>HMI GTW only</td>
<td>HMYCSFS0411</td>
<td></td>
</tr>
<tr>
<td>Compact Flash 8 GB</td>
<td>HMI GTW only</td>
<td>HMYCSFS0811</td>
<td></td>
</tr>
<tr>
<td>SD card 4 GB</td>
<td>HMI GTO/GTW</td>
<td>HMYCSFS0211</td>
<td></td>
</tr>
</tbody>
</table>

**Remote USB port for terminals** Enables the USB port to be located remotely on the rear of the XBT terminal on a panel or enclosure door (Ø 21 mm fixing device)

<table>
<thead>
<tr>
<th>USB fastenings Sold in lots of 5</th>
<th>Holds the USB connection in place</th>
<th>GT2<strong>0 / GT4</strong>0</th>
<th>XBT ZG2CLP1</th>
</tr>
</thead>
<tbody>
<tr>
<td>GT5<strong>0 / GT6</strong>0 / GT7**0</td>
<td>XBT ZG2CLP2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>XBT GK</td>
<td>XBT ZG2CLP3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HMI GT/STO (USB type A)</td>
<td>HMI ZSD 4G</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HMI GT/STO (USB type mini-B)</td>
<td>For USB type A port</td>
<td></td>
<td></td>
</tr>
<tr>
<td>USB Type A - PC</td>
<td>For USB mini-B port</td>
<td></td>
<td></td>
</tr>
<tr>
<td>XBT ZG395</td>
<td>HMI ZSUSB</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Cables for application transfer - Terminal to PC</th>
<th>USB mini-B - PC</th>
<th>HMI ZURS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Serial printer cable for XBT GT/GK/GTW terminals and HMI GTO panels</td>
<td>Serial link isolation units</td>
<td>RS 232C/RS 485 (COM1) and RS 485 (COM2)</td>
</tr>
<tr>
<td>Stylus, Sold in lots of 5</td>
<td>XBT ZG322</td>
<td></td>
</tr>
<tr>
<td></td>
<td>XBT ZG485</td>
<td></td>
</tr>
<tr>
<td></td>
<td>XBT ZG60</td>
<td></td>
</tr>
</tbody>
</table>

### Connection of Magelis terminals to fieldbuses

#### Type of bus/ network

<table>
<thead>
<tr>
<th>Connection components</th>
<th>Type of terminal</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIPWY, FIPWO</td>
<td>USB gateway</td>
<td>XBT GT / GK - HMI GTO</td>
</tr>
<tr>
<td>Modbus Plus</td>
<td>USB gateway</td>
<td>XBT GT / GK - HMI GTO</td>
</tr>
<tr>
<td>Profibus DP</td>
<td>Car on expansion bus</td>
<td>XBT GT / GK (1)</td>
</tr>
<tr>
<td>Device Net</td>
<td>Car on expansion bus</td>
<td>XBT GT / GK (1)</td>
</tr>
</tbody>
</table>

### Serial connection from HMI terminals to PLC/Drives

#### Type of PLC/Drives (1)

<table>
<thead>
<tr>
<th>Type of terminal</th>
<th>Connector/Physical link</th>
<th>Length</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>Twido, Premium, Micro</td>
<td>XBT ST/ST - HMI GTO (COM1)</td>
<td>Mini-DIN/RS232</td>
<td>TSX PCX 1031</td>
</tr>
<tr>
<td>M238/M258/M340, ATS, ATV</td>
<td>XBT ST/ST - HMI GTO (COM2)</td>
<td>RJ45/RS485</td>
<td>XBT ZG988</td>
</tr>
<tr>
<td>ATV, ATS</td>
<td>XBT ST/ST - HMI GTO (COM2)</td>
<td>RJ45/RS485</td>
<td>1m</td>
</tr>
<tr>
<td>M340</td>
<td>USB</td>
<td>USB mini-B</td>
<td>BMX XCAUSBH018</td>
</tr>
<tr>
<td>Siemens, Simatic MPI</td>
<td>XBT ST/ST - HMI GTO (COM1)</td>
<td>9-way SUB-D/RS232</td>
<td>XBT ZG929</td>
</tr>
<tr>
<td>Siemens, Simatic PPI &amp; MPI</td>
<td>XBT ST/ST - HMI GTO (COM2)</td>
<td>9-way SUB-D/RS232</td>
<td>XBT ZG9721</td>
</tr>
<tr>
<td>Rockwell, DFI-Full Duplex, Mitsubishi A Link</td>
<td>XBT ST/ST - HMI GTO (COM1)</td>
<td>25-way SUB-D/RS232</td>
<td>XBT ZG9731</td>
</tr>
<tr>
<td>XBT ZG9740</td>
<td>XBT ST/ST - HMI GTO (COM1)</td>
<td>9-way SUB-D/RS232</td>
<td>XBT ZG9740</td>
</tr>
<tr>
<td>Mitsubishi FX CPU</td>
<td>XBT ST/ST - HMI GTO (COM1)</td>
<td>Mini-DIN/RS232</td>
<td>HMI Z51</td>
</tr>
<tr>
<td>Mitsubishi M2 Link</td>
<td>XBT ST/ST - HMI GTO (COM1)</td>
<td>9-way SUB-D/RS232</td>
<td>XBT ZG9772</td>
</tr>
<tr>
<td>Mitsubishi O CPU</td>
<td>XBT ST/ST - HMI GTO (COM1)</td>
<td>9-way mini-DIN/RS232</td>
<td>XBT ZG9774</td>
</tr>
</tbody>
</table>

(1) For the full list of connection accessories, please consult our site http://www.schneider-electric.com.
### Box PC Universal

<table>
<thead>
<tr>
<th>CPU &amp; RAM types</th>
<th>Atom N270 1.6 Ghz Fanless with DDR2 RAM</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCI Slots</td>
<td>1 PCI</td>
</tr>
<tr>
<td>Operating System</td>
<td>WES 2009</td>
</tr>
<tr>
<td>Storage</td>
<td>CF &gt;= 4Gb (SLC) Flash disk SSD &gt;= 60Go (5 year warranty) HDD &gt;= 500Go</td>
</tr>
<tr>
<td>Integrated DVD-RW</td>
<td>–</td>
</tr>
<tr>
<td>Slide-in</td>
<td>1 for storage</td>
</tr>
<tr>
<td>Power supply</td>
<td>24V DC</td>
</tr>
<tr>
<td>Integrated ports</td>
<td>2 Ethernet Gigabit, 5 USB, 2 RS232, 1 DVI</td>
</tr>
</tbody>
</table>

**Optional**
- Battery-backup*, additional RS232/485 port, additional DVI for Box PC 2 slots, redundant RAID HDD by PCI

**Overall dimensions W x H x D (mm)**
- 82 x 270 x 251
- 121 x 270 x 251

**Industrial Certifications**
- CE, UL508 industrial control, cUL, ANSI/ISA 12.12.01 for hazardous locations, Gost, C-Tick

**Marine certification**
- Germany Loyd with power filter

**Vijeo Designer**
- Vijeo Designer Run Time demo. Unlimited licence to be ordered separately (VJDSNRTMPC)

**1GB RAM**
- HMIBUCND1E01
- HMIBUFND1P01
- HMIBUHND1P01
- HMIBUFND2P01
- HMIBUHND2P01

**Vijeo Citect Full 500 I/O, 2Gb RAM**
- HMIBUFND17F1
- HMIBUFND2PF1

**Configured IPC service**
*Other configurations on request. Please consult our Customer Care Center.

### Box PC Performance

<table>
<thead>
<tr>
<th>CPU &amp; RAM types</th>
<th>Core 2 Duo 2.26 Ghz Fan, with DDR3 RAM</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCI Slots</td>
<td>2 (1 PCI + 1 PCIe)</td>
</tr>
<tr>
<td>Operating System</td>
<td>Windows 7 64 bits Ultimate</td>
</tr>
<tr>
<td>Storage</td>
<td>Flash disk SSD &gt;= 600Go (5 year warranty) HDD &gt;= 500Go Flash disk SSD &gt;= 600Go (5 year warranty) HDD &gt;= 500Go</td>
</tr>
<tr>
<td>Integrated DVD-RW</td>
<td>–</td>
</tr>
<tr>
<td>Slide-in</td>
<td>1 for storage</td>
</tr>
<tr>
<td>Power supply</td>
<td>24V DC</td>
</tr>
<tr>
<td>Integrated ports</td>
<td>2 Ethernet Gigabit, 5 USB, 2 RS232, 1 DVI</td>
</tr>
</tbody>
</table>

**Optional**
- Battery-backup*, additional RS232/485 port, additional DVI, redundant RAID HDD by PCI

**Overall dimensions W x H x D (mm)**
- 121 x 270 x 251
- 217 x 270 x 251

**Industrial Certifications**
- CE, UL508 industrial control, cUL, ANSI/ISA 12.12.01 for hazardous locations, Gost, C-Tick

**Marine certification**
- Germany Loyd with power filter

**Vijeo Designer**
- Vijeo Designer Run Time demo. Unlimited licence to be ordered separately (VJDSNRTMPC)

**2Gb RAM**
- HMIBPFD2701
- HMIBPHDD2701
- HMIBPFD5701
- HMIBPHDD5701

**Vijeo Citect Full 500 I/O, 4Gb RAM**
- HMIBPFD27F1
- HMIBPHD57F1

**Configured IPC service**
*Other configurations on request. Please consult our Customer Care Center.
## Magelis Industrial Display

### Magelis iDisplay with 15”, 19” touchscreen

<table>
<thead>
<tr>
<th></th>
<th>15” touch &amp; keypad</th>
<th>15” touch</th>
<th>19” touch</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Touchscreen</strong></td>
<td>15” LCD TFT</td>
<td>15” LCD TFT</td>
<td>15” LCD TFT</td>
</tr>
<tr>
<td><strong>Resolution</strong></td>
<td>XGA 1024x768</td>
<td>XGA 1024x768</td>
<td>XGA 1024x768</td>
</tr>
<tr>
<td><strong>Front side port</strong></td>
<td>1 x USB</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Video ports</strong></td>
<td>1 x VGA &amp; 1 x DVI</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Touchscreen ports</strong></td>
<td>1 x USB &amp; 1 x RS 232</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Certification</strong></td>
<td>UL508, CSA</td>
<td>UL508, CSA</td>
<td>UL508, CSA, Marine GL</td>
</tr>
<tr>
<td><strong>Overall dimensions W x H x D (mm)</strong></td>
<td>483 x 65 x 365</td>
<td>395 x 60 x 294</td>
<td>395 x 60 x 294</td>
</tr>
<tr>
<td><strong>References</strong></td>
<td>AC MPCNB50NAN00N</td>
<td>MPCYT50NAN00N</td>
<td>--</td>
</tr>
<tr>
<td></td>
<td>DC --</td>
<td>--</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## Magelis Panel

### Magelis Panel PC 10”, 15”

<table>
<thead>
<tr>
<th></th>
<th>Optimum Panel PC 10”</th>
<th>Optimum Panel PC 15”</th>
<th>Optimum Panel PC 15” with aluminium bezel</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Touch screen</strong></td>
<td>10” LCD TFT with LED, IP65</td>
<td>15” LCD TFT with LED, IP65</td>
<td></td>
</tr>
<tr>
<td><strong>Resolution</strong></td>
<td>SVGA 800x600, 16 Million colors</td>
<td>XGA 1024x768, 16 Million colors</td>
<td></td>
</tr>
<tr>
<td><strong>CPU</strong></td>
<td>Atom Z510 1,1 Ghz Fanless</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Operating System</strong></td>
<td>WES 2009</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>RAM</strong></td>
<td>1 GB DDR2</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>OS storage</strong></td>
<td>CF 2Gb (SLC)</td>
<td>CF 4Gb (SLC)</td>
<td></td>
</tr>
<tr>
<td><strong>User storage</strong></td>
<td>SD card</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Power supply</strong></td>
<td>24V DC</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Intergrated ports</strong></td>
<td>2 x Ethernet Gigabit, 1 USB front + 2 USB, 1 RS232</td>
<td>2xEthernet Gigabit, 2xUSB, 1xRS232</td>
<td></td>
</tr>
<tr>
<td><strong>Overall dimensions W x H x D (mm)</strong></td>
<td>323 x 260 x 72</td>
<td>402 x 301 x 72</td>
<td>ATEX II 3 gas and dust zone 2/22 at EN6172-2 (Food processing machines)</td>
</tr>
<tr>
<td><strong>Industrial Certifications</strong></td>
<td>CE, UL508 industrial control, cUL, ANSI/ISA 12.12.01 for hazardous locations, Gost, C-Tick, IP65 Nema 4X indoor</td>
<td></td>
<td>FDA 21 CFR 177.2006 (US standard Flat seals).</td>
</tr>
<tr>
<td><strong>Marine certification</strong></td>
<td>Germany Loyd with power filter</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Software</strong></td>
<td>Office &amp; PDF readers, Internet browser, .Net 3.5, Vijeo Designer RT demo (Unlimited licence to be ordered separately VJDSNRTPC), Vijeo Citect web client</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Part number</strong></td>
<td>HMIPWC500E01, HMIPWC500E1A</td>
<td>HMIPWC700E01</td>
<td>HMIPV7D0E01</td>
</tr>
<tr>
<td><strong>Configured iPC service</strong></td>
<td>*Other configurations on request. Please consult our Customer Care Center.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Panel PC Universal 15"

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Touch screen</td>
<td>15” LCD TFT with LED backlight, IP65, same cut-out than legacy</td>
</tr>
<tr>
<td>Resolution</td>
<td>XGA 1024x768, 16 Million colors</td>
</tr>
<tr>
<td>CPU &amp; RAM types</td>
<td>Atom N270 1.6 Ghz Fanless with DDR2 RAM</td>
</tr>
<tr>
<td>Operating System</td>
<td>WES 2009, XP PRO SP3</td>
</tr>
<tr>
<td>Storage</td>
<td>CF &gt;&gt; 4Go (SLC) Flash disk SSD &gt;&gt; 60Go (5 year warranty) Flash disk SSD &gt;&gt; 500Go (5 year warranty)</td>
</tr>
<tr>
<td>Integrated DVD-RW</td>
<td>–</td>
</tr>
<tr>
<td>Slide-in</td>
<td>1 for storage</td>
</tr>
<tr>
<td>Integrated ports</td>
<td>2 Ethernet Gigabit, 1 front USB + 4 USB, 2 RS232, 1 DVI</td>
</tr>
<tr>
<td>Optional</td>
<td>Battery-backup*, additional RS232/485 port* + redundant RAID HDD by PCI</td>
</tr>
<tr>
<td>Overall dimensions W x H x D (mm)</td>
<td>402 x 301 x 104 402 x 301 x 153</td>
</tr>
<tr>
<td>Industrial Certifications</td>
<td>CE, UL508 industrial control, cUL, ANSI/ISA 12.12.01 for hazardous locations, Gost, C-Tick,</td>
</tr>
<tr>
<td>Marine certification</td>
<td>Germany Lloyd with power filter</td>
</tr>
<tr>
<td>Vijeo Designer</td>
<td>Vijeo Designer Run Time demo. Unlimited licence to be ordered separately (VJDSNRTMPC)</td>
</tr>
<tr>
<td>1GB RAM - DC power supply</td>
<td>HMIPUC7D0DE01 HMIPUF7D0P01 HMIPUH7D0P01 – HMIPUH7D2P01</td>
</tr>
<tr>
<td>Vijeo Citect Lite 1200 I/O, 2GB RAM - DC</td>
<td>–</td>
</tr>
<tr>
<td>1GB RAM - AC power supply</td>
<td>HMIPUF7A0P01 HMIPUH7A0P01 HMIPUF7A2P01 HMIPUH7A2P01</td>
</tr>
<tr>
<td>Vijeo Citect Full 500 I/O, 2GB RAM - AC</td>
<td>–</td>
</tr>
<tr>
<td>Configured iPC service</td>
<td>*Other configurations on request. Please consult our Customer Care Center.</td>
</tr>
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</table>

### Panel PC Performance 15"

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Touch screen</td>
<td>15” LCD TFT with LED backlight, IP65, same cut-out than legacy</td>
</tr>
<tr>
<td>Resolution</td>
<td>XGA 1024x768, 16 Million colors</td>
</tr>
<tr>
<td>CPU &amp; RAM types</td>
<td>Core 2 Duo 2.26 Ghz Fan with DDR3 RAM</td>
</tr>
<tr>
<td>Operating System</td>
<td>Windows 7 64 bits Ultimate</td>
</tr>
<tr>
<td>Storage</td>
<td>Flash disk SSD &gt;&gt; 60Go (5 year warranty) Flash disk SSD &gt;&gt; 500Go (5 year warranty)</td>
</tr>
<tr>
<td>Integrated DVD-RW</td>
<td>–</td>
</tr>
<tr>
<td>Slide-in</td>
<td>1 for storage</td>
</tr>
<tr>
<td>Integrated ports</td>
<td>2 Ethernet Gigabit, 1 front USB + 4 USB, 2 RS232, 1 DVI</td>
</tr>
<tr>
<td>Optional</td>
<td>Battery-backup*, add. RS232/485 port* + redundant RAID HDD by PCI</td>
</tr>
<tr>
<td>Overall dimensions W x H x D (mm)</td>
<td>402 x 301 x 118 402 x 301 x 168</td>
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<tr>
<td>Industrial Certifications</td>
<td>CE, UL508 industrial control, cUL, ANSI/ISA 12.12.01 for hazardous locations, Gost, C-Tick,</td>
</tr>
<tr>
<td>Vijeo Designer</td>
<td>Vijeo Designer Run Time demo. Unlimited licence to be ordered separately (VJDSNRTMPC)</td>
</tr>
<tr>
<td>2Gb RAM - DC power supply</td>
<td>HMIPPF7D0701 HMIPPH7A0701 – HMIPPH7D2701</td>
</tr>
<tr>
<td>2Gb RAM - Battery back-up interface - DC</td>
<td>–</td>
</tr>
<tr>
<td>Vijeo Citect Full 500 I/O, 4GB RAM - DC</td>
<td>HMIPPF7D07F1</td>
</tr>
<tr>
<td>Vijeo Citect Full 500 I/O, 4GB RAM - AC</td>
<td>–</td>
</tr>
<tr>
<td>Configured iPC service</td>
<td>*Other configurations on request. Please consult our Customer Care Center.</td>
</tr>
</tbody>
</table>
### Panel PC Universal 19"

- **19" LCD TFT with LED backlight, IP65**
- SXGA 1280x1024, 16 Million colors
- Atom N270, 1.6 GHz Fanless with DDR2 RAM
- WES 2009
- XP PRO SP3
- Flash Disk <=32Go (SSD SLC)
- HDD <=250Go
- Flash Disk <=32Go (SSD SLC)
- HDD <=250Go
- 1 for storage
- 1 for storage + 1 for DVD-RW (or for storage with adapter)
- 2 Ethernet Gigabit, 1 front USB + 4 USB, 2 RS232, 1 DVI
- Battery-backup*, additional RS232/485 port* + redundant RAID HDD by PCI
- 480 x 380 x 114
- CE, UL508 industrial control, cUL, ANSI/ISA 12.12.01 for hazardous locations, Gost, C-Tick
- Germany Loyd with power filter
- Vijeo Designer Run Time demo. Unlimited licence to be ordered separately (VJDSNRTMPC)

<table>
<thead>
<tr>
<th>HMIPUC9D0E01</th>
<th>HMIPUF9D0P01</th>
<th>HMIPUH9D0P01</th>
<th>HMIPUH9D2P01</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>HMIPUF9D0PF1</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
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<td>HMIPUH9A0P01</td>
<td>HMIPUF9A2P01</td>
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<td></td>
<td></td>
<td></td>
<td>HMIPUF9A2P01</td>
</tr>
</tbody>
</table>

*Other configurations on request. Please consult our Customer Care Center.

### Panel PC Performance 19"

- **19" LCD TFT with LED backlight, IP65**
- SXGA 1280x1024, 16 Million colors
- Core 2 Duo, 2.26 Ghz Fan, with DDR3 RAM
- Windows 7 64 bits Ultimate
- Flash Disk <=32Go (SSD SLC)
- HDD <=250Go
- Flash Disk <=32Go (SSD SLC)
- HDD <=250Go
- 1 for storage
- 1 for storage + 1 for DVD-RW (or for storage with adapter)
- 2 Ethernet Gigabit, 1 front USB + 4 USB, 2 RS232, 1 DVI
- Battery-backup*, add. RS232/485 port* + redundant RAID HDD by PCI
- 480 x 380 x 129
- CE, UL508 industrial control, cUL, ANSI/ISA 12.12.01 for hazardous locations, Gost, C-Tick
- Vijeo Designer Run Time demo. Unlimited licence to be ordered separately (VJDSNRTMPC)

<table>
<thead>
<tr>
<th>HMIPPF9D0701</th>
<th>HMIPPH9D0701</th>
<th>HMIPPH9D2701</th>
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<td>HMIPPH9A0701</td>
<td>HMIPPF9A2701</td>
</tr>
<tr>
<td></td>
<td></td>
<td>HMIPPF9A27F1</td>
</tr>
</tbody>
</table>

*Other configurations on request. Please consult our Customer Care Center.
Vijeo Designer configuration software enables creation of automated system control operator dialogue applications for Magelis STO/STU, XBT GT, GK, GTW, GH, GTO terminals, Box PC and Panel PC.

**Configuration**
Vijeo Designer configuration software enables fast, simple processing of operator dialogue projects thanks to its ergonomics, developed around 6 configurable windows.

It also offers comprehensive application management tools:
- Project creation (one or several targets).
- Recipe editor
- User action list (eg. script) for application adaptability.
- Vectorial graphic library for more attractive graphic screens.
- Simulation mode for simple design office application testing.
- High-performance graphic editor for simple block diagram creation (over 30 animated preconfigured generic objects).
- Data sharing (up to 300 variables on 8 terminals).
- Management of 40 alphabets with the opportunity to have 15 languages per application and dynamic change.
- Programmable controller database sharing (Unity Pro, PL7, Concept, TwidoSoft, ProWORX, ModSoft), process variables or operators actions
- Advanced traceability function (periodic, at event or on request).
- Event-triggered e-mail function
- Over 35 third party protocols
- Printing function
- Multilingual software : English, French, German, Italian, Spanish, Portuguese and Simplified Chinese.

The Vijeo Designer Limited Edition, free access allows you to configure the Magelis STO/STU.

**Industrial intelligence option: Intelligent Data Service**
Intelligent Data Service (IDS) is an extension of Vijeo Designer for the PC (Magelis or standard PC) which supports the implementation of control solutions for one or a number of terminals (up to 8). This extension offers total traceability. Both process variables and operator actions are tracked so that the right decisions can be made at the right time (Industrial Business Intelligence).

Powerful Data can be collected from multiple terminals via Ethernet without impairing HMI reaction times.

Flexible Various storage methods are supported, CSV file can be read directly in MS Excel, recording in user-defined format in an SQL database or secure IDV (Intelligent Data Vault) files to ensure compatibility with the requirements of 21 CFR Part 11.

**Intelligent Data Service Report Printing option**
Intelligent Data Service (IDS) Report Printing is an extension of Intelligent Data Service for the PC (Magelis or Standard PC).
This extension allows you to create new reports “from scratch” and link them to IDS data.
In addition to editing functions, IDS Report Printing allows you to preview the report before printing, print it or save it to file on disk.
Selection guide for Vijeo Designer

<table>
<thead>
<tr>
<th>Number of licences</th>
<th>Composition</th>
<th>References</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single (1)</td>
<td>No cable</td>
<td>VJDSNDTGsv●M</td>
</tr>
<tr>
<td></td>
<td>With USB cable</td>
<td>VJDSUDTGsv●M</td>
</tr>
<tr>
<td>Group (3)</td>
<td>No cable</td>
<td>VJDGNDTGsv●M</td>
</tr>
<tr>
<td>Team (10)</td>
<td>No cable</td>
<td>VJDTNDTGsv●M</td>
</tr>
<tr>
<td>Facility (Unlimited)</td>
<td>No cable</td>
<td>VJDFNDTGsv●M</td>
</tr>
</tbody>
</table>

The software is supplied on DVD and runs under Windows® XP and Windows 7. ● represent the version number.

Run Time on Magelis iPC

| Single (1)         | VJDSNRTMPc                   |

Run Time Intelligent Data Service

| Single (1)*        | VJDSNTRCKv●M                |

* Need a registered Run Time for Magelis iPC

Run Time Intelligent Data Service Report Printing

| Single (1)*        | VJDSNTRPR●M                 |

* Need a registered Run Time for Intelligent Data Service

Remote access

Vijeo Design’Air is Schneider Electric’s application for Android and iOS tablets and smartphones. This feature enables you to remotely connect to an HMI terminal over a WiFi network and have a graphical view of the HMI terminal on your tablet and smartphone.

> HMI AUTO-DETECT
Vijeo Design’Air scans and detects available on HMI terminals on a nearby network

> REMOTE MONITORING
Vijeo Design’Air connects tablets and smartphones to HMI terminals, and allows remote viewing and controlling of HMI projects at run time.

> ADVANCED SCREEN
Vijeo Design’Air takes advantage of the advanced graphic and multi-touch capabilities of tablets and smartphones and applies it to the automation industry.
A reference for installations in ATEX Dust explosive atmospheres.

What is an explosive atmosphere according to the Directive?
It is the mixing with air, in atmospheric conditions, of flammable substances in the form of gas, vapour, mist or dust which, in the event of combustion, spreads throughout the non burning mix.

Implementation of European Directives

**Directive 99/92/EC**
This requires that a risk analysis be performed for all industrial processes.
If there is any risk of an explosion:
- the zones are defined and physically identified,
- the installation is classified by governing bodies.

**Directive 94/9/EC**
This requires certification of the products in accordance with the classification of the zones of use.

**Dust zones**
- Zone 20: area where an explosive atmosphere exists in the form of combustible clouds of dust in the air, either permanently, for long periods or frequently.
- Zone 21: area where an explosive atmosphere exists in the form of combustible clouds of dust in the air during normal operation occasionally.
- Zone 22: area where an explosive atmosphere in the form of combustible clouds of dust in the air is unlikely to occur during normal operation but, if it does occur, it is only for a short period.

---

**Small Panel**

**Magelis XBT N**

with matrix screen (1)

---

<table>
<thead>
<tr>
<th>Type</th>
<th>Characteristics</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conformity</td>
<td>Directive ATEX 94/9/CE, EN 60079-15, EN 50281-1-1 + A1, IEC 61241-0, EN 61241-1</td>
</tr>
<tr>
<td>Zone D (dust)</td>
<td>22</td>
</tr>
<tr>
<td>EC type examination certificate number / marking</td>
<td>INERIS 05ATEX3016X / D Ex nA nC T5 - Ex ID A22 IP65 T100°C</td>
</tr>
<tr>
<td>Display</td>
<td>Capability</td>
</tr>
<tr>
<td>Type</td>
<td>2 lines, 20 characters</td>
</tr>
<tr>
<td></td>
<td>1 to 4 lines, 5 to 20 characters</td>
</tr>
<tr>
<td></td>
<td>Back-lit LCD green</td>
</tr>
<tr>
<td></td>
<td>Back-lit LCD 3 colours green, orange, red</td>
</tr>
<tr>
<td></td>
<td>Back-lit LCD green</td>
</tr>
<tr>
<td>Data entry</td>
<td>Via keypad with 8 keys (4 customizable keys)</td>
</tr>
<tr>
<td>Function</td>
<td>Representation of variables</td>
</tr>
<tr>
<td></td>
<td>Alphanumeric</td>
</tr>
<tr>
<td>Communication</td>
<td>Alarm log</td>
</tr>
<tr>
<td></td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td>Yes</td>
</tr>
<tr>
<td>Downloadable protocols</td>
<td>Serial link</td>
</tr>
<tr>
<td></td>
<td>Uni-TE, Modbus Master</td>
</tr>
<tr>
<td></td>
<td>Uni-TE, Modbus Master, Siemens, Rockwell, Omron, Mitsubishi</td>
</tr>
<tr>
<td></td>
<td>Modbus</td>
</tr>
<tr>
<td>Development software</td>
<td>Vijeo Designer Lite (on Windows 2000 and XP)</td>
</tr>
<tr>
<td>Overall dimensions W x H x D (mm)</td>
<td>132 x 37 x 74</td>
</tr>
<tr>
<td>Compatibility with PLCs</td>
<td>Twido, Modicon TSX Micro, Modicon Premium, Modicon M340</td>
</tr>
<tr>
<td></td>
<td>Twido, Modicon TSX Micro, Modicon Premium, Modicon Quantum, Modicon Momentum, Modicon M340</td>
</tr>
<tr>
<td></td>
<td>Motor starter</td>
</tr>
<tr>
<td></td>
<td>Tesys Model U</td>
</tr>
<tr>
<td>Supply voltages</td>
<td>5 VDC or PLC power supply</td>
</tr>
<tr>
<td>References</td>
<td>24 VDC</td>
</tr>
<tr>
<td>XBTN200</td>
<td>XBTN400</td>
</tr>
<tr>
<td>XBTN410</td>
<td>XBTN401</td>
</tr>
<tr>
<td>XBTN400 (1)</td>
<td>XBTN400</td>
</tr>
</tbody>
</table>

(1) Except XBTN200: alphanumeric screen.
## Magelis XBT GT with 3.8” touchscreen

### Type

- Conformity: Directive ATEX 94/9/CE, EN 60079-15, EN 61241-0, EN 61241-1, EN 60079-0 (1)
- Zone D (dust): 22

### Characteristics

<table>
<thead>
<tr>
<th>Display</th>
<th>LCD screen size</th>
<th>Type</th>
<th>STN monochrome, amber or red</th>
<th>TFT colour</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>3.8”</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Functions</th>
<th>Representation of variables</th>
<th>Alphanumeric, bitmap, bargraph, gauge, button, light, clock, flashing light, keypad</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Communication</th>
<th>Serial link</th>
<th>Ethernet, IEEE 802.3</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1 RJ45 (RS 232 - RS 485)</td>
<td>10 BASE-T, RJ45</td>
</tr>
<tr>
<td>Networks</td>
<td></td>
<td>10/100 BASE-T, RJ45</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Downloadable protocols</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mitsubishi (Melsec), Omron (Sysmac), Rockwell Automation (Allen Bradley), Siemens (Simatic)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Development software</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vijeo Designer VJD GPP, TGPP M (on Windows Vista, XP and 2000)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Overall dimensions W x H x D (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>130 x 41 x 104</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Compatibility with PLCs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Twido, Modicon TSX Micro, Modicon Premium, Modicon Quantum, Modicon M340</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>«Compact Flash» card slot</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>USB port</th>
</tr>
</thead>
<tbody>
<tr>
<td>–</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Built-in Ethernet TCP/IP</th>
</tr>
</thead>
<tbody>
<tr>
<td>–</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Supply voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>24 VDC</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>References</th>
</tr>
</thead>
<tbody>
<tr>
<td>XBTGT1100</td>
</tr>
<tr>
<td>XBTGT1105</td>
</tr>
<tr>
<td>XBTGT1130</td>
</tr>
<tr>
<td>XBTGT1135</td>
</tr>
<tr>
<td>XBTGT1335</td>
</tr>
</tbody>
</table>

(1) Does not take effect for XBTG1100 and XBTG1130

## Magelis XBT GT with 5.7” touchscreen

### Type

- Conformity: Directive ATEX 94/9/CE, EN 60079-15, EN 61241-0, EN 61241-1
- Zone D (dust): 22

### Characteristics

<table>
<thead>
<tr>
<th>Display</th>
<th>LCD screen size</th>
<th>Type</th>
<th>Back-lit STN, monochrome</th>
<th>STN, colour</th>
<th>TFT, colour</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>5.7”</td>
<td></td>
<td>blue</td>
<td>4096 colours</td>
<td>65536 colours</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Functions</th>
<th>Representation of variables</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Alphanumeric, bitmap, bargraph, gauge, button, light, clock, flashing light, keypad</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Communication</th>
<th>Serial link</th>
<th>Ethernet, IEEE 802.3</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1 Sub-D9 (RS 232/RS 422 - RS 485) + 1 RJ45 (RS 485)</td>
<td>10 BASE-T, RJ45</td>
</tr>
<tr>
<td>Networks</td>
<td></td>
<td>10/100 BASE-T, RJ45</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Downloadable protocols</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mitsubishi (Melsec), Omron (Sysmac), Rockwell Automation (Allen Bradley), Siemens (Simatic)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Development software</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vijeo Designer VJD GPP, TGPP M (on Windows Vista, XP and 2000)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Overall dimensions W x H x D (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>167.5 x 60 x 135</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Compatibility with PLCs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Twido, Modicon TSX Micro, Modicon Premium, Modicon Quantum, Modicon M340, Modicon Momentum</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>«Compact Flash» card slot</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>USB port</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Video in</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Built-in Ethernet TCP/IP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Supply voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>24 VDC</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>References</th>
</tr>
</thead>
<tbody>
<tr>
<td>XBTGT2110</td>
</tr>
<tr>
<td>XBTGT2120</td>
</tr>
<tr>
<td>XBTGT2130</td>
</tr>
<tr>
<td>XBTGT2220</td>
</tr>
<tr>
<td>XBTGT2330</td>
</tr>
</tbody>
</table>
## Advanced Panel

**Magelis XBT GT**

with 7.5", 10.4", 12.1", 15" touchscreen

<table>
<thead>
<tr>
<th>Type</th>
<th>Characteristics</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conformity</td>
<td>Directive ATEX 94/9/CE, EN 60079-15, EN 61241-0, EN 61241-1</td>
</tr>
<tr>
<td>Zone D (dust)</td>
<td>22</td>
</tr>
<tr>
<td>EC type examination certificate number / marking</td>
<td>INERIS 06ATEX3024X / D3G D Ex nA IIB T4 - Ex id A22 IP64 T135°C</td>
</tr>
<tr>
<td>Zone</td>
<td>22</td>
</tr>
<tr>
<td>EC type examination certificate number / marking</td>
<td>INERIS 06ATEX3024X / I13D Ex id A22 IP64 T135°C</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Display</th>
<th>LCD screen size</th>
<th>7.5”</th>
<th>10.4”</th>
<th>12.1”</th>
<th>15”</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type (colour)</td>
<td>STN</td>
<td>TFT</td>
<td>TFT</td>
<td>STN</td>
<td>TFT</td>
</tr>
<tr>
<td>Number of colours</td>
<td>4096</td>
<td>65536</td>
<td>65536</td>
<td>4096</td>
<td>65536</td>
</tr>
</tbody>
</table>

| Functions | Representation of variables | Alphanumeric, bitmap, bargraph, gauge, button, light, clock, flashing light, keypad |
| Communication | Serial link | 1 Sub-D9 (RS 232/RS 422 - RS 485) + 1 RJ45 (RS 485) |
| Networks | Ethernet, IEEE 802.3 10/100 BASE-T, RJ 45 |

| Downloadable protocols | Mitsubishi (Melsec), Omron (Sysmac), Rockwell Automation (Allen Bradley), Siemens (Simatic) |
| Development software | Vijeo Designer (on Windows Vista, XP and 2000) |

| Overall dimensions W x H x D (mm) | 215 x 60 x 170 | 271 x 57 x 213 | 313 x 56 x 239 | 395 x 60 x 294 |

| Compatibility with PLCs | Twido, Modicon TSX Micro, Modicon Premium, Modicon Quantum, Modicon M340 |

| «Compact Flash» card slot | Yes |
| USB port | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 |
| Video in | No | No | Yes | 2 | 2 | 2 | 2 | Yes |
| Built-in Ethernet TCP/IP | Yes |
| Supply voltage | 24 VDC |

| References | XBTGT4230 | XBTGT4330 | XBTGT4340 | XBTGT5230 | XBTGT5330 | XBTGT5340 | XBTGT6330 | XBTGT6340 | XBTGT7340 |