

# Operator dialogue terminals

## Magelis GT, GK, GH and GTW

### Advanced Panels

#### Presentation



*Touch screen terminals with monochrome or colour screen in 6 sizes from 3.8" to 15"*

The Magelis Advanced Panels touch screen terminals offer consists of:

- A range of 20 touch screen terminals (XBT GT) available with a wide choice of screen sizes (3.8", 5.7", 7.5", 10.4" 12.1" and 15") in various versions (monochrome, colour, STN or TFT)
- An XBT GT 5.7" terminal (XBT GT 2930) equipped with a screen featuring an anti-reflection coating and a backlit display that is twice as intense for applications in brightly-lit environments, in particular those which are exposed to sunlight
- A range of 3 keypad/touch screen terminals (XBT GK), sizes 5.7" and 10.4" (monochrome, colour)
- A range of touch screen/open terminals (GTW), sizes 8.4", 12" and 15", with Windows XP Embedded operating system for open access to new automation functions
- A portable touch screen terminal (XBT GH) with 5.7" colour screen and safety devices (emergency stop, enabling grip switch, etc.)

#### Operation

Magelis Advanced Panels feature new information and communication technologies which, depending on the model, include:

- High level of communication (on-board Ethernet, multilink, Web server and FTP)
- External storage of data (Compact Flash memory card and USB memory stick) for storing production data and backing up applications
- Multimedia data with integrated image and sound management (digital or analog camera)
- Management of peripherals: printers, bar code readers, loudspeakers, etc.

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Display of a video sequence

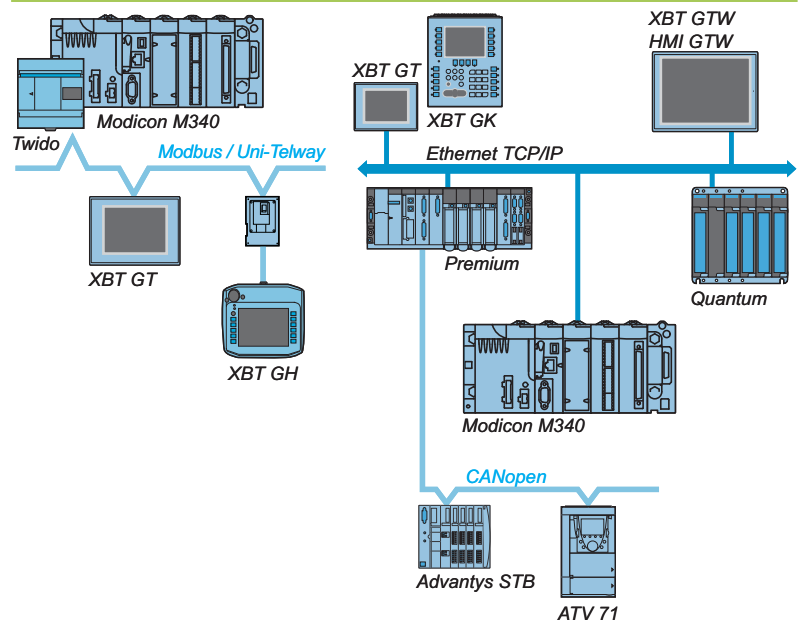
### Configuration

Magelis Advanced Panels can be configured using Vijeo Designer software in a Windows XP or Windows Vista environment.

Vijeo Designer software boasts an advanced user interface with many configurable windows, enabling projects to be developed quickly and easily. This version enables composite video signal processing from a camera or camcorder.

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### Communication



Magelis Advanced Panels communicate with PLCs via one or two integrated serial links, using communication protocols:

- Schneider Electric (Uni-TE, Modbus)
- Third party: Mitsubishi Electric, Omron, Allen-Bradley and Siemens

Depending on the model, Magelis multifunction terminals can be connected to Ethernet TCP/IP networks using Modbus TCP or third-party protocols, and to fieldbuses (FIPWAY, Modbus Plus, Device Net, Profibus DP).

#### Functions

Magelis Advanced Panels offer the following functions:

- Display of animated synoptic views with 8 types of animation (press on touch panel, change of colour, filling, movement, rotation, size, visibility or value display)
- Control and modification of numeric or alphanumeric variables
- Display of current date and time
- Real-time and trending curves with log
- Alarm display, alarm log and management of alarm groups
- Multiwindow management
- Operator-initiated page calls
- Multilingual application management (10 languages at the same time)
- Recipe management
- Data processing via Java script
- Application and log storage on external Compact Flash application memory card (multifunction range) or USB memory stick
- Serial printer and bar code reader management (multifunction range)
- Sound messages management (multifunction range)
- Composite video signal management from camera or camcorder on XBT GT and digital video signal (Webcam) management on Magelis GTW

Magelis Advanced Panels have been designed for Transparent Ready architectures and equipment (combination of web and Ethernet TCP/IP technologies). Therefore, all terminals with an Ethernet port feature a built-in FTP server for data file transfer and a Web Gate function for remote access to the application of the terminal from a PC with an Internet browser.

The latest version of Vijeo Designer thus allows Magelis Advanced Panels to browse HTML pages and send e-mails.

The flexible nature of Windows XP Embedded enables Internet Explorer or Office Readers (.pdf, .doc, .xls, .ppt documents) to be used on touch screen/open Magelis GTW Advanced Panels while a Vijeo Designer application is running.

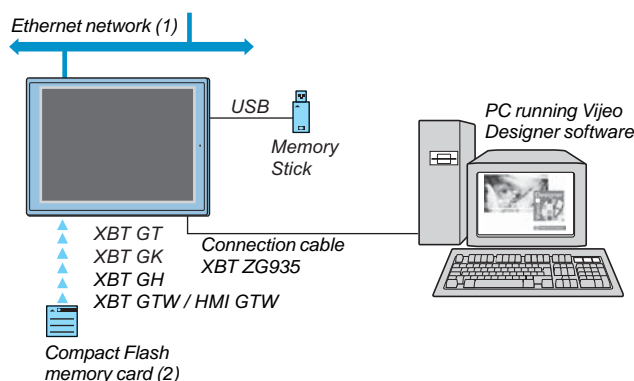
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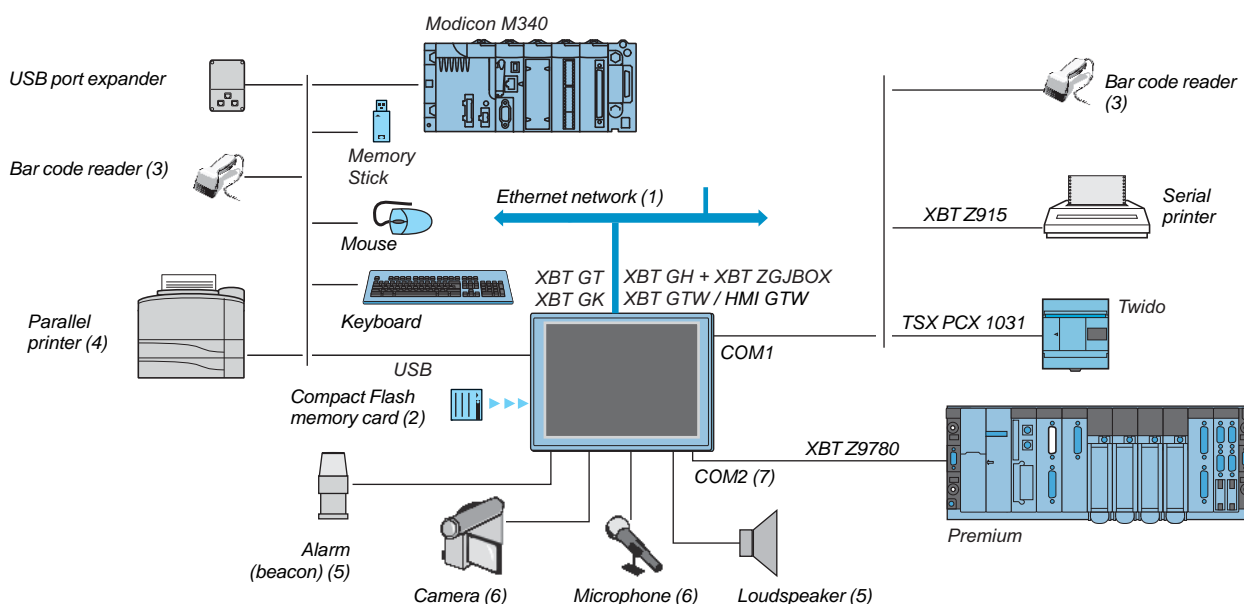
### Panel operating modes

The following illustrations show the equipment that can be connected to Magelis Advanced Panels terminals according to their two operating modes.

#### Edit mode



#### Run mode



- (1) With XBT GT●●30/XBT GT●●40, XBT GK●●30/XBT GTW●●●0/XBT GH2460
- (2) Memory card, except XBT GT11/13/2110.
- (3) Validated with DataLogic Gryphon bar code reader.
- (4) Validated with Hewlett Packard printer via USB/PIO converter.
- (5) With any multifunction XBT GT, XBT GK, XBT GTW and HMI GTW 7.5" to 15".
- (6) With multimedia XBT GT 7.5" to 15" XBT GT●340.
- (7) With XBT GT and XBT GK 5.7" screen min.

### Improve environmental resistance with Conformal Coating

The Conformal Coating service offer consists of varnishing the electronic cards to prolong the service life of the terminals and enable them to be used in corrosive environments. The varnishing increases resistance to condensation, dusty atmospheres and chemical corrosion (sulphurous and halogenous atmospheres).

For further information on this service offer, please consult our Customer Care Centre.