Human/Machine Interfaces

Magelis™ GTO Optimized Advanced Panels

The Magelis GTO is the ideal optimized terminal that does not compromise features or performance. The terminal provides:

- Energy Savings
- State of the art display
- Open and robust communication
- Easy installation and a sustainable offer
- Simple adaptation to your environment
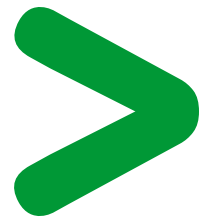- Rugged design for industrial applications

Energy Savings

The energy efficient LED backlight uses 55% less energy compared to HMI using compact fluorescent. Additional dimming and screen saver can save even more.

State of the art display

The 65 K color TFT screen provides excellent color and a wide viewing angle for a clear picture of your machine or process. LED backlight allows energy savings and dimming functionality.

Open and robust communication

Embedded Ethernet provides easy integration into your IT structure as well as remote viewing and control. USB 2.0 and Mini USB allow easy connection to peripherals, expanded storage, screen updates, and maintenance.

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Make the most of your energy℠

Schneider Electric™

Operator dialogue terminals

Magelis GTO Optimum Advanced Panels

Applications		Display of text messages, graphic objects runtime data, and history Operator configuration and adjustment for machine and process control		
Type of terminal		Optimum Advanced Panels, touch screen		
Degree of protection (according to IEC 60529)		IP 65 (IP 67 with addition of a cover)		
Display	**Type**	Color TFT LCD LED backlit 320 x 240 pixels (QVGA)		Color TFT LCD LED backlit 800 x 480 pixels (WVGA)
	Capacity	3.5"	5.7"	7.0" Wide
Data entry		Via touch screen	Via touch screen	Via touch screen
	Static function keys	6 function keys (static or dynamic)	—	8 function keys (static or dynamic)
	Dynamic function keys		—	
Memory capacity	**Applications**	GTO**00 64 MB / GTO**10 96 MB Flash EPROM		96 MB Flash EPROM
	Expansion	—	By 4 GB SD card (except HMI GTO2300)	
Functions	**Maximum number of pages**	Limited by internal Flash EPROM memory capacity	Limited by capacity of internal Flash EPROM memory or of SD card	
	Variables per page	Unlimited (8000 variables max.)		
	Representation of variables	Alphanumeric, bitmap, bar graph, gauge, tank, tank level indicator, curves, polygon, button, LED		
	Recipes	32 groups of 64 recipes comprising 1024 ingredients max.		
	Curves	Yes, with log		
	Alarm logs	Yes		
	Real-time clock	Built-in		
Communication	**Downloadable protocols**	Uni-TE (2), Modbus®, Modbus TCP/IP (1), and for PLC brands: Mitsubishi®, Omron®, Allen-Bradley®, and Siemens		
	Asynchronous serial link	RS 232C (COM1) and RS 485 (COM2) except HMI GTO1310: RS 232C/485 (COM1)		
	USB ports	1 type A host connector + 1 mini-B connector		
	Buses and networks	Ethernet TCP/IP (10BASE-T/100BASE-TX) (3), Modbus Plus and Fipway via USB gateway		
	Printer link	RS 232C (COM1) serial link (4) and USB port for parallel printer		
Development software		Vijeo™ Designer (on Windows® XP and Windows 7)		
Operating system		Magelis (333 MHz RISC CPU)		
Type of terminal	**Without Ethernet**	HMI GTO1300	HMI GTO2300	
	With Ethernet	HMI GTO1310	HMI GTO2310	HMI GTO3510

(1) Depending on model.
(2) Uni-TE version V2 for Twido™ controller and TSX Micro™/Premium platform.
(3) Except HMI GTO1300 and GTO2300 (Modbus Plus and Fipway via USB gateway only).
(4) Except HMI GTO1310 (USB port for parallel printer only).

Display of text messages, graphic objects runtime data, and history Operator configuration and adjustment for machine and process control					
Optimum Advanced Panels, touch screen			Optimum Advanced Panels, touch screen, "Stainless Steel" version		
IP 65 (IP 67 with addition of a cover)			IP 66K (Front panel with stainless steel frame) for food and beverage environment		
Color TFT LCD LED backlit 640 x 480 pixels (VGA)	Color TFT LCD LED backlit 640 x 480 pixels (VGA)	Color TFT LCD LED backlit 800 x 600 pixels (SVGA)	Color TFT LCD LED backlit 320 x 240 pixels (QVGA)	Color TFT LCD LED backlit 640 x 480 pixels (VGA)	Color TFT LCD LED backlit 800 x 600 pixels (SVGA)
7.5"	10.4"	12.1"	5.7"	10.4"	12.1"
Via touch screen					
—					
—					
96 MB Flash EPROM					
By 4 GB SD card					
Limited by capacity of internal Flash EPROM memory or of SD card					
Unlimited (8000 variables max.)					
Alphanumeric, bitmap, bar graph, gauge, tank, tank level indicator, curves, polygon, button, LED					
32 groups of 64 recipes comprising 1024 ingredients max.					
Yes, with log					
Yes					
Built-in					
Uni-TE (2), Modbus, Modbus TCP/IP (1) and for PLC brands: Mitsubishi, Omron, Allen-Bradley, and Siemens					
RS 232C (COM1) and RS 485 (COM2)					
1 type A host connector + 1 mini-B connector					
Ethernet TCP/IP (10BASE-T/100BASE-TX), Modbus Plus and Fipway via USB gateway					
RS 232C (COM1) serial link and USB port for parallel printer					
Vijeo Designer (on Windows XP and Windows 7)					
Magelis (333 MHz RISC CPU)					
HMI GTO4310	HMI GTO5310	HMI GTO6310	HMI GTO2315	HMI GTO5315	HMI GTO6315

Easy installation and a sustainable offer

To protect your investment, the Magelis GTO has the same cut-out as existing XBTGT panels for easy replacement and updating. Our Vijeo Designer configuration software allows screens developed for the existing XBTGT range to be used in the Magelis GTO.

The installation made easy with:

- Easy-to-use fasteners
- Unique fast connection power plug for the whole range
- Optimal connector locations for neat and clean wiring

Simple adaptation to your environment

- Whatever your constraints, you can find a solution with Magelis GTO
- GTO units without keys are rated for operation up to 131°F (55°C)
- We offer accessories to protect against chemical and oil substances
- For marine applications or hazardous locations, the range complies with appropriate certifications: Marine Bridge and Deck, ATEX (Cat 3 certificates), and ISA 1212 (UL Class I, Div 2 marked on product label)

Rugged design for industrial applications

- Magelis GTO offers 304 stainless steel panels designed especially to meet the constraints of the pharmaceutical or food and beverage industries.
- Developed in compliance with DIN EN 1672-2 "Food processing machines – Safety and Hygiene Requirements."
- IP 66K protection makes them resistant to a 145 PSI (10 bar) water jet without compromising the seal of the cabinet provided by a gasket conforming to FDA 21 CFR 177.2006. Conformal coating of electronic parts reduces the risk of condensation.
- They are available in several sizes: 5.7", 10.4", and 12.1".
- Process traceability is possible with the Vijeo Designer software IDS add on compliant with CFR21 part 11.

For more information visit
www.schneider-electric.com/us
and enter key code **r373v**

Enter key code

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