

Optimize your machines!

Magelis XBT GC:
HMI Controller for integrated control



SoMachine

Schneider
Electric

Magelis XBT GC



The best integrated HMI and control offer: compact, all-in-one, and cost-effective

The Magelis XBT GC HMI Controller combines human machine interface and control system functions in a single product. It responds to the stringent requirements of online, compact machines, in line with the flexible machine control approach.

The high level of integration makes it extremely compact while simplifying control system equipment.

This Magelis operator terminal offers all the advantages of a Schneider Electric controller:

- > SoMachine configuration software
- > Modular I/O
- > Schneider Electric exclusive Telefast wiring system for remote I/O
- > Communication networks

Highly economical, this product helps reduce costs throughout the life cycle of your machines, regardless of production run length or the level of customization.

Up to

15%

savings on total
cost of ownership

The Magelis XBT GC can cut your initial purchase and long-term costs by:

- > Decreasing panel size
- > Reducing spare parts and inventory
- > Streamlining setup and programming
- > Minimizing the need for an external PLC
- > Simplifying or even eliminating cabling



Setup

An all-in-one product

- > Ready to use
- > Compact
- > Fewer electrical diagrams
- > Less wiring



Operation

Adapts to the typology of your machine

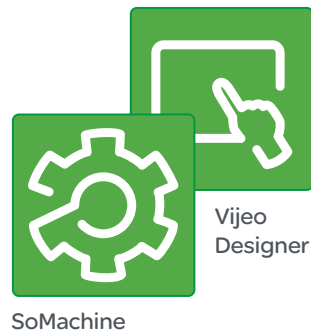
- > Complete range with three screen types and a choice of connection options (USB, serial link, CANopen, Ethernet)
- > Web Gate: Web server (Ethernet version)
- > Simple and fast I/O wiring option via the Telefast system (remotely on the machine or in the enclosure)
- > Three I/O categories: integrated (4 high speed counters and 4 PTO), M238 controller extension modules or distributed over CANopen
- > High-speed, multitasking processor

Magelis XBT GC

Design

SoMachine—A single software package

- > SoMachine is the Schneider Electric single software package for machine automation.
- > A Magelis XBT GC application integrates HMI and control. It can also be used in a configuration with a Modicon M238 controller and a Magelis XBT GT/GK terminal.
- > Vijeo Designer is the preferred HMI configuration tool.
- > It offers advanced functions (five IEC languages, sharing of variables, one common project file, simulation, single download, etc.).



Integrated I/O on removable connector

Maintenance

Easy updates and upgrades

- > Single HMI and control application download via USB key
- > Mounting system interchangeable with Magelis XBT GT terminals



Integrated Ethernet option



Download via USB key



> Magelis XBT GC selection guide

3.8"

XBTGC1100T/U*

5.7"

XBTGC2120T/U* (Mono)

5.7"

XBTGC2230T/U* (Color)

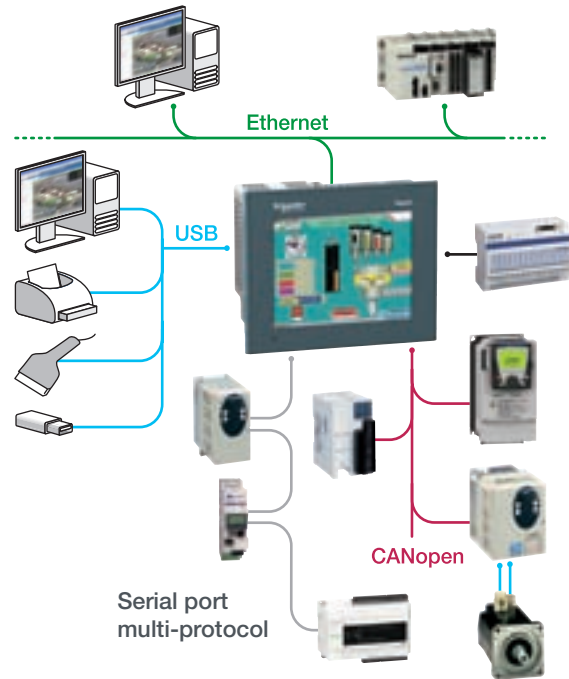
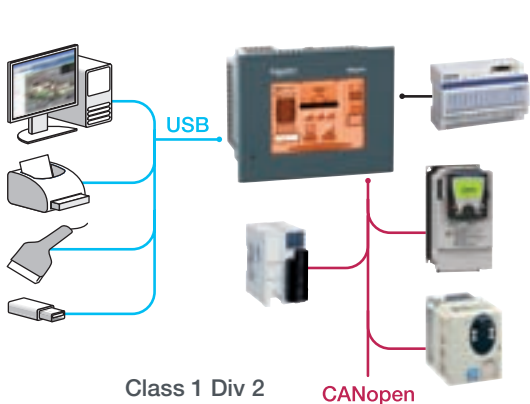
Screen			
Type	LCD	FSTN	
Color	Amber, red, 8 grey levels	Monochrome 16 grey levels	4096 colors
Resolution	QVGA 320 x 240		

Memory	
Application	16 MB Flash for HMI and control application

Interface			
USB	1 Host type A port		
Ethernet	No	No	Yes (Web Gate)
Serial	No		
Integrated I/O*	12 I/6 O (T* = source or U* = sink)		16 I/16 O (T* = source or U* = sink)
	4 HSC (100 KHz), 4 PTO (64 KHz)		
Extensions	or	> Up to 2 M238 modules	> Up to 3 M238 modules
		> CANopen module XBTZGCCAN	

Mechanical and electrical characteristics	
Power supply	24 VAC
Dimensions	130 x 104 x 76 mm
	207 x 157 x 76 mm

Accessories	
CANopen module for XBT GC	XBTZGCCAN
PC download cable	XBTZG935
Telefast cable for XBTGC 3"8 integrated I/O (T reference only)	XBTZGABE1
Telefast cable for XBTGC 5"7 integrated I/O (T reference only)	XBTZGABE2



★ 100% certified

Conforming to international standards, the Magelis XBT GC range can be installed anywhere.



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