

Human/Machine Interface

Magelis™ GK Advanced
Keypad-Touchscreen panels

Catalog

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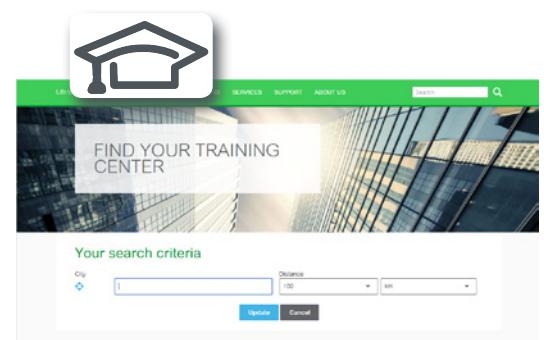
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Operator dialogue terminals

Magelis GK Advanced Keypad-Touchscreen panels

Magelis GK Advanced Keypad-Touchscreen panels

Magelis GK are ultra-flexible graphic terminals available in both keypad and touchscreen user interface options. They have similar display and communication characteristics to Magelis GTO and enhance the operator experience with the addition of a keypad. They are available in two screen sizes (5.7" and 10.4") which can be configured and controlled to meet the user's requirements.

Designed to operate in severe environments, Magelis GK panels give optimum control by means of the keypad and touchscreen. They are suitable for industrial sectors exposed to harsh environments, such as:

- Material manufacturing: cement, bricks, wood, glass, etc.
- Metal
- Pulp & paper
- Mining
- Automotive



HMIGK2310



HMIGK5310

Magelis GK

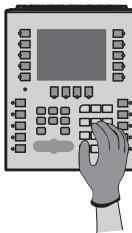
Ultra-flexible user interface

The touchscreen and keypad keys can be configured simultaneously or separately with:

- Function keys (F_i) with customizable labels or associated screen pictograms (R_i)
- Industrial pointer to execute precise commands on screen
- Alphanumeric keypad based on a mobile phone keypad principle
- 3-color LEDs associated with function keys to signal command status
- Improved key sensitivity for visual machine control

Easy operation

In difficult, dusty, or dirty conditions, when the touchscreen cannot be used, the Magelis GK terminal can still be operated wearing gloves, because of positive keypad action.



Optimum security for operators

The keypad is securely designed, ensuring operators can access the command keys at any time with possible dual actions, and locked during critical operation phases.

Easy maintenance

The Magelis GK has enhanced features that enable easy maintenance and time saving, such as:

- Long-life LED backlight with low power consumption and fewer replacements
- Highly robust with operating temperatures up to 55 °C, reducing risks during maintenance and the time taken
- In-built SD card slot and standard SD media card, so no PC is required to upgrade the application on site
- Easy installation with tool-free mounting spring clips
- Simple replacement of removable batteries
- Remote diagnostics with Vijeo Air/Air+ enable maintenance staff to identify issues without being physically present at site

Magelis GK → Robust & ultra-flexible HMI for industrial operations

Magelis GK (continued)

Easy substitution

Existing Magelis XBT F or XBTGK panels with keypads can easily be replaced with Magelis GK panels:

- Identical screen size and communication capability
- Same cut-out and keypad layout
- Use of spring clips
- Same configuration software with Vijeo Designer

Vijeo Designer software

With the advanced ergonomic design of Magelis GK, the single Vijeo Designer configuration software in Schneider Electric's HMI range ensures that operator dialogue projects can be processed quickly and easily. It also offers a complete set of application management tools.

The Vijeo Air/Air+ offer is fully compatible with Magelis GK and enables remote access and connectivity anytime, anywhere.



Vijeo Designer
software



Vijeo Design' Air



Vijeo Design' Air Plus

Operator dialogue terminals

Magelis GK Advanced Keypad-Touchscreen panels

Applications	Display of text messages, graphic objects and synoptic views Control and configuration of data
Type of terminal	Keypad-Touchscreen panels
	
Screen	
Type	Color TFT LCD
Size	5.7"
Resolution	QVGA, 320 x 240 pixels, 65 K colors
Backlight	Life span > 50,000 hrs @ 25 °C/77 °F
Data entry	Via keypad and/or touchscreen (configurable) and/or industrial pointer
Static function keys	10
Dynamic function keys	14
Service keys	8
Alphanumeric keys	12
Memory capacity	
Application	128 MB Flash EPROM
Expansion	4 GB SD Card
Functions	
Maximum number of pages	Limited by capacity of internal Flash EPROM memory or SD card memory
Variables per page	Unlimited (8000 variables max.)
Representation of variables	Alphanumeric, bitmap, bargraph, 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
Discrete I/O	-
Multimedia I/O	-
Communication	
Downloadable protocols	Uni-TE, Modbus, Modbus TCP/IP and for PLC brands: Mitsubishi, Omron, Allen-Bradley and Siemens
Asynchronous serial link	RS-232C (COM1) RS-485 (COM2)
USB ports	2
Bus and networks	Modbus Plus, Fipway with USB gateway Ethernet TCP/IP (10BASE-T/100BASE-TX)
Printer link	RS-232C (COM1) serial link, USB port for parallel printer
Development software	Vijeo Designer (on Windows XP Professional and Windows 7 Professional 32/64-bit)
Operating system	Magelis (CPU 333 MHz RISC)
Type of terminal	HMIGK2310
Page	11

Applications	Display of text messages, graphic objects and synoptic views Control and configuration of data
Type of terminal	Keypad-Touchscreen panels
	
Screen	
Type	Color TFT LCD
Size	10.4"
Resolution	VGA, 640 x 480 pixels, 65 K colors
Backlight	Life span > 50,000 hrs @ 25 °C/77 °F
Data entry	Via keypad and/or touchscreen (configurable) and/or industrial pointer
Static function keys	12
Dynamic function keys	18
Service keys	8
Alphanumeric keys	12
Memory capacity	
Application	128 MB Flash EPROM
Expansion	4 GB SD Card
Functions	
Maximum number of pages	Limited by capacity of internal Flash EPROM memory or SD card memory
Variables per page	Unlimited (8000 variables max.)
Representation of variables	Alphanumeric, bitmap, bargraph, 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
Discrete I/O	-
Multimedia I/O	-
Communication	
Downloadable protocols	Uni-TE, Modbus, Modbus TCP/IP and for PLC brands: Mitsubishi, Omron, Allen-Bradley and Siemens
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Type of terminal	HMIGK5310
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HMIGK2310

Presentation

The Magelis GK offers a range of keypad-touchscreen terminals (HMIGK) available in 5.7" and 10.4" (color) panel sizes.

Operation

The HMIGK terminals can be operated at several function levels. These multifunction Magelis GK panels feature information and communication technologies, which include:

- High communication level (embedded Ethernet, multilink, Web server and FTP)
- External data storage (SD memory card and USB memory stick) for storing production data and backing up applications
- USB tower light and biometric switch
- Management of peripherals: printers, bar code readers, etc.



Display page

Configuration

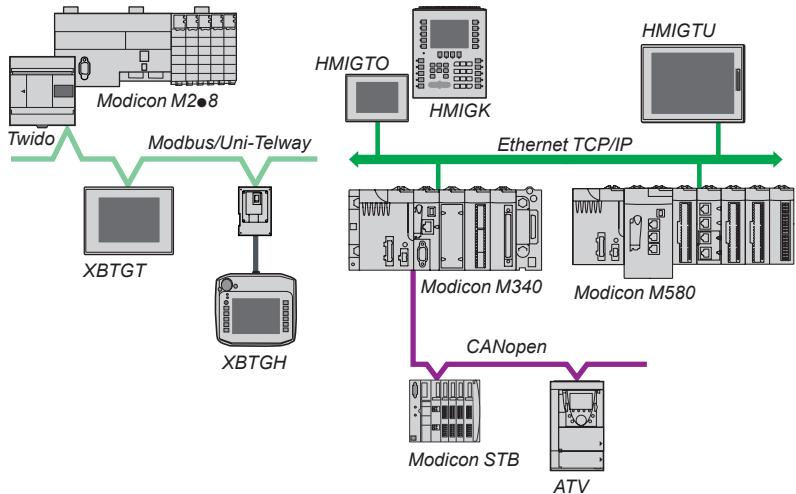
Magelis GK panels can be configured using Vijeo Designer software in a Windows XP Professional and Windows 7 Professional 32/64-bit environment.

Vijeo Designer software boasts an advanced user interface with many configurable windows, enabling projects to be developed quickly and easily. The Magelis GK range is compatible with Vijeo Designer V6.2 SP4.1 or later. Please refer to the HMI software catalogs available at www.schneider-electric.com.

Operator dialogue terminals

Magelis GK Advanced Keypad-Touchscreen panels

Communication



Magelis GK panels communicate with PLCs via one or two integrated serial links, using the following communication protocols:

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

Magelis GK terminals can be connected to Ethernet TCP/IP networks using Modbus TCP or third-party protocols, and to fieldbuses (Flipway, Modbus Plus).

Functions

Magelis GK panels offer the following functions:

- Display of animated mimics with 8 types of animation (pressing the touch panel, color changes, filling, movement, rotation, size, visibility and 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
- Page calls initiated by the operator
- Multilingual application management (10 languages at the same time)
- Recipe management
- Data processing via Java script
- Storage of the application and logs on external SD application memory card (multifunction range) or USB key
- Serial printer and bar code reader management

The Magelis GK range is perfectly integrated in the MachineStruxure™ (1) automation solutions offer, which helps machine manufacturers (OEMs) quickly design optimized machines (in terms of cost and energy efficiency).

MachineStruxure™ solutions are based on high-performance control platforms and a single software package: SoMachine. SoMachine allows the development, commissioning and programming of machines. SoMachine version 4.2 (3) allows programming of terminals in the Magelis GK range using Vijeo Designer software.

Magelis GK Panels have been designed for PlantStruxure™ (2) and MachineStruxure™ (1) architectures and also for Transparent Ready equipment (combination of Web and Ethernet TCP/IP technologies). Therefore, all panels with an Ethernet port feature a built-in FTP server for data file transfer and a Web Gate function for remote access to the panel application from a PC with an Internet browser. Vijeo Designer also allows Magelis Panels to browse HTML pages and send e-mails.

(1) For more information on the "MachineStruxure™" concept, please refer to our website www.schneider-electric.com/Solutions/Machine control solutions.

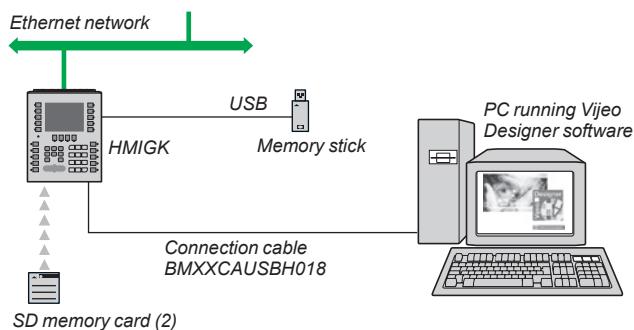
(2) For more information on the "PlantStruxure™" concept, please refer to our website www.schneider-electric.com/Solutions/Process and Machine Systems.

(3) SoMachine 4.2 will be available in Q4, 2016.

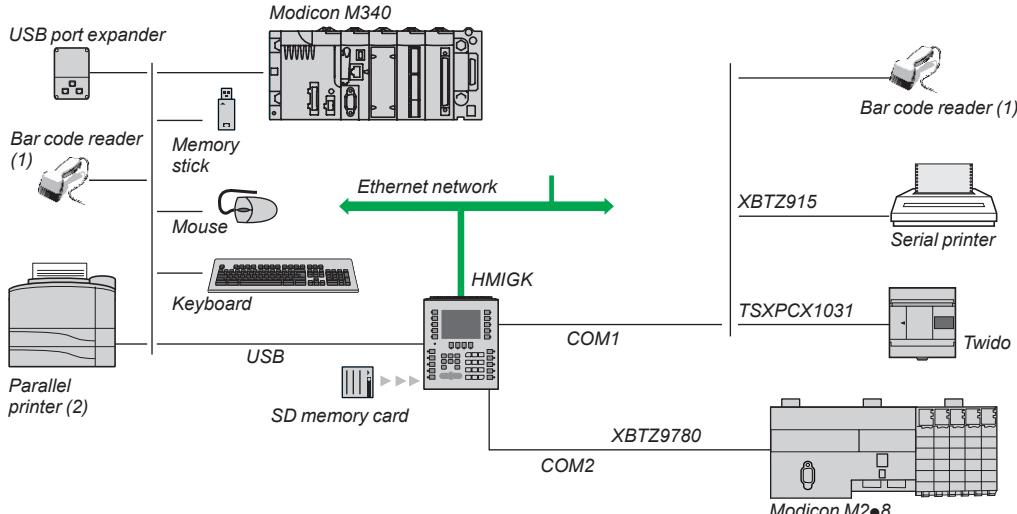
Panel operating modes

The following illustrations show which equipment can be connected to Magelis GK according to the two operating modes.

Edit mode



Operating mode



(1) Validated with DataLogic Gryphon bar code reader.

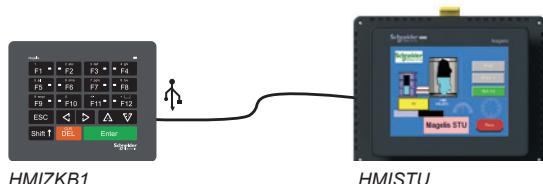
(2) Validated with Hewlett Packard printer via USB/PIO converter.

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. Varnishing increases resistance to condensation, dusty atmospheres and chemical corrosion (sulphurous and halogenous atmospheres). For further information on this service offer, please contact our Customer Care Center.

Magelis Small panels with keypad-touchscreen flexibility

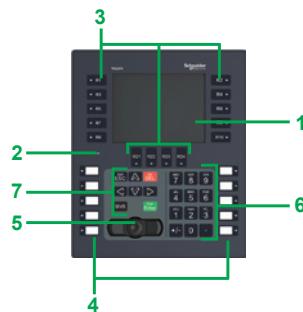
The Magelis GK keypad is consistent with the design and features of USB keypad accessory **HMIZKB1**. HMI small touchscreen panels can thus also be converted to keypad-touchscreen panels by connecting this USB keypad accessory.



Description

Operator dialogue terminals

Magelis GK Advanced Keypad-Touchscreen panels with 5.7" screen



Description

HMIGK2310

Front view

- 1 A touchscreen for displaying synoptic views (5.7" color) which is configurable with Vijeo Designer
- 2 A multicolor status indicator (green, orange and red) showing the terminal operating mode
- 3 14 dynamic function keys (Ri) with 3-color LED (green, orange, red)
- 4 10 static function keys (Fi) with 3-color LED (green, orange, red) and customizable labels
- 5 An industrial mouse pointer "mouse", configurable using Vijeo Designer
- 6 12 alphanumeric keys (0...9, +/-, .), which can be pressed several times in succession to access characters (A...Z)
- 7 8 service keys:



Delete character to left of cursor



Move cursor to right or left in an entry field



Confirm a selection or entry



Access the second of the dual key functions



Increment or decrement a numeric field value or activate the next or previous object



Exit entry mode



Display the configuration menu of the terminal



Copy the current screen

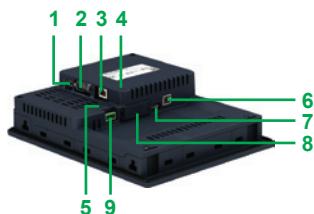


Delete entire field

Rear view

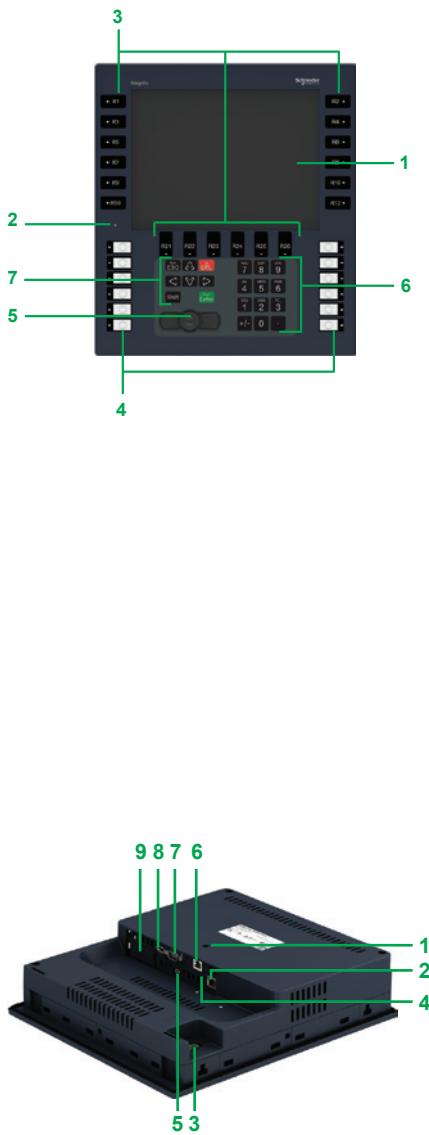
- 1 A type A USB host connector for connecting peripherals, transferring applications and Modicon M340 terminal port communication (USB1)
- 2 A 9-way male SUB-D connector for RS-232C serial link to PLCs (COM1)
- 3 An RJ45 connector for RS-485 serial link (COM2)
- 4 An SD card access LED indicator
- 5 A COM2 yellow LED indicating data transmission status
- 6 An RJ45 connector for Ethernet TCP/IP link, 10BASE-T/100BASE-TX
- 7 A mini-B USB connector for application transfer (USB2) (1)
- 8 A slot for SD memory card/battery with cover
- 9 A removable screw terminal block for 24 V --- power supply

(1) See page 12 for details of the required connection accessories.



Operator dialogue terminals

Magelis GK Advanced Keypad-Touchscreen panels with 10.4" screen



Description (continued)

HMIGK5310

Front view

- 1 A touchscreen for displaying synoptic views (10.4" color TFT) which is configurable using Vijeo Designer
- 2 A multicolor status indicator (green, orange and red) showing the terminal operating mode
- 3 18 dynamic function keys (Ri) with 3-color LED (green, orange, red)
- 4 12 static function keys (Fi) with 3-color LED (green, orange, red) and customizable labels
- 5 An industrial mouse pointer "mouse", configurable using Vijeo Designer
- 6 12 alphanumeric keys (0...9, +/-, .), which can be pressed several times in succession to access characters (A...Z)
- 7 8 service keys:

Or	Delete character to left of cursor
	Move cursor to right or left in an entry field
	Confirm a selection or entry
	Access the second of the dual key functions
	Increment or decrement a numeric field value or activate the next or previous object
	Exit entry mode
+	Display the configuration menu of the terminal
+	Copy the current screen
+	Delete entire field

Rear view

- 1 An SD card access LED indicator
- 2 An RJ45 connector for Ethernet TCP/IP link, 10BASE-T/100BASE-TX
- 3 A removable screw terminal block for 24 V --- power supply
- 4 A COM2 yellow LED indicating data transmission status
- 5 A mini-B USB connector for application transfer (USB2) (1)
- 6 An RJ45 connector for RS-485 (COM2) with switch for polarization of the link used on Modbus
- 7 A 9-way male SUB-D connector for RS-232C serial link to PLCs (COM1)
- 8 A type A USB host connector for connecting peripherals, transferring applications and Modicon M340 terminal port communication (USB1)
- 9 A slot for SD memory card/battery, with hinged cover

(1) See page 12 for details of the required connection accessories.

Operator dialogue terminals

Magelis GK Advanced Keypad-Touchscreen panels

Keypad-Touchscreen terminals, protection accessories and separate parts



HMIGK2310



HMIGK5310



XBTZGUSB

Keypad-Touchscreen terminals (1)

Type of screen	Number of ports	Application memory capacity	SD memory card	Video input	Number of Ethernet ports	Reference	Weight kg/lb
5.7" screen							
TFT Color mode	1 COM1 1 COM2 2 USB	128 MB	Yes	No	1	HMIGK2310	1.800/ 3.968

10.4" screen

TFT Color mode	1 COM1 1 COM2 2 USB	128 MB	Yes	No	1	HMIGK5310	3.300/ 7.275
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Protection accessories

Description	Details	Compatible with terminals	Reference	Weight kg/lb
Protective sheets (5 peel-off sheets)	Disposable, dirt-resistant sheet for the display	HMIGK2310 HMIGK5310	XBTZG68 XBTZG69	— —
Seals	Provide dust and moisture resistance when this product is installed in a solid panel	HMIGK2310 HMIGK5310	XBTZG58 XBTZG59	— —

Separate parts

Description	For use with terminals	Reference	Weight kg/b
USB fastenings Sold in lots of 5	Type A HMIGK****	HMIZGCLP1	—
	Type mini-B	HMIZSCLP3	—
Power supply connector Sold in lots of 5	HMIGK****	HMIZGPWS	0.030/ 0.066
Sheets of customizable labels for GK terminals Sold in lots of 10	HMIGK2310 HMIGK5310	XBLYGK2 XBLYGK5	0.030/ 0.066
Spring clip fasteners	HMIGK****	XBTZ3002	—
Remote USB port for terminal GK***	Enables the USB type A port to be located remotely on the rear of the XBT terminal on a panel or enclosure door (Ø 21 mm fixing device)	HMIGK2310 HMIGK5310	XBTZGUSB
Remote USB port for terminal GK***	Enables the USB mini-B port to be located remotely on the rear of the HMIGK terminal on a panel or enclosure door (Ø 21 mm fixing device)		HMIZSUSBB
SD Memory Card 4GB	4 GB SD Memory Card		HMIZSD4G

Equivalent product table between XBTGK terminals and HMIGK terminals

Old range XBTGK	New range HMIGK	Comments
XBTGK2120	HMIGK2310	
XBTGK2330	HMIGK2310	
XBTGK5330	HMIGK5310	No auxiliary connector, only one USB port type A

Note: When upgrading from Magelis XBTGK range to the Magelis GK range, the following parameters must be taken into account:

- Connection fieldbus Profibus DP and DeviceNet not possible
- COM1 serial ports only support RS232C signal
- No CF card but SD card for optional storage unit
- No CANopen Master support with Combo function
- An additional mini-B USB port available for easy application download
- Same cut-out and same keypad layout
- New backlight LED with less consumption
- Battery is now removable

(1) Fixing kit (spring clips), locking device for USB connectors, customizable label sheets and instruction sheet included with terminals.

Operator dialogue terminals

Magelis GK Advanced Keypad-Touchscreen panels

Connection accessories

Cables for application transfer - Terminal to PC					
Type of terminal (terminal end connector)	Connector (PC end)	Type	Length m/ft	Reference (1)	Weight kg/lb
HMIGK	USB mini-B	USB	1.8/ 5.91	BMXXCAUSBH018	0.230/ 0.507

Printer connection cables					
Type of printer (2)	Connector (printer end)	Type	Length m/ft	Reference	Weight kg/lb
Serial printer for HMIGK terminals	25-way SUB-D female	RS-232C (COM1)	2.5/ 8.20	XBTZ915	0.200/ 0.441
Serial printer for HMIGK terminals	USB	RS-232C (COM1)	1.80/ 5.91	HMIZURS	—

Adaptors and isolation boxes for Magelis GK panels

These 2 adaptors are used with the connection cables depending on the application concerned.
For example, the XBTZ968 cable is used with the XBTZG919 adaptor to connect a Twido controller (via its terminal port) to an HMIGK terminal (via its COM1 port).



XBTZG939



XBTZGI485

Description	Type of connector (automation product end)	Physical link (HMIGK terminal end)	Length m/ft	Reference	Weight kg/lb
Adaptor for HMIGK (COM2 port)	25-way SUB-D connector	RJ45 connector	0.2/ 0.66	XBTZG939	—
Adaptor for HMIGK (COM1 port)	25-way SUB-D connector	9-way SUB-D connector, RS-232C	0.2/ 0.66	XBTZG919	—

Description	For use with	Link to isolate	Reference	Weight kg/lb
Serial link isolation units for HMIGK	- Connection to serial port of HMI terminal - Isolated link on 9-way SUB-D connector (3) - Box power supply via USB port of terminal. Incorporates a USB port expander.	RS-232C/RS-485 (COM1) RS-485 (COM2)	XBTZGI232 XBTZGI485	— —

Cables for connecting Magelis terminals to other Schneider Electric products							
Automation product type	Type of connector (automation product end)	Protocol	Type of terminal	Link	On port	Length m/ft	Reference
Twido, Nano, Modicon TSX Micro, Modicon Premium	Terminal port, 8-way female mini-DIN	Uni-TE (V1/V2), Modbus	HMIGK	RS-485	COM2	2.5/ 8.20	XBTZ9780
						10/ 32.80	XBTZ9782
Modicon M340 Modicon M2••	RJ45	Modbus	HMIGK	RS-485	COM2	2.5/ 8.20 10/ 32.80	XBTZ9980 XBTZ9982
Modicon M340	USB Mini-B	Terminal port	HMIGK	USB	USB type A	1.8/ 5.91 4.5/ 14.76	BMXXCAUSBH018 BMXXCAUSBH045
Modicon Quantum	9-way male SUB-D	Modbus	HMIGK	RS-232C	COM1	2.5/ 8.20 3.7/ 12.14	XBTZ9710 + (4) 990NAA26320
Modicon STB	HE13 (NIM, network interface module)	Modbus	HMIGK	RS-232C	COM1	2/ 6.56 2.5/ 8.20	STBXCA4002 XBTZ988 + (4)
Modicon Momentum M1	RJ45 (port 1 on Momentum M1)	Modbus	HMIGK	RS-232C	COM1	2.5/ 8.20	XBTZ9711 + (4)
TeSys U, T starters ATV 312/61/71 variable speed drives ATS 48 starters Lexium 05 Preventa XPSMC	RJ45	Modbus	HMIGK	RS-485	COM2	3/ 9.84	VW3A8306R30
						2.5/ 8.20	XBTZ9980
						10/ 32.80	XBTZ9982

(1) Cable included (depending upon the model) with Vijeo Designer software packages, refer to "HMI software" catalog available on our website www.schneider-electric.com.

(2) Parallel printer (see page 8).

(3) Male connector with XBTZGI232, female connector with XBTZGI485.

(4) XBTZG919 adaptor to be used with cables.

References (continued)

Operator dialogue terminals

Magelis GK Advanced Keypad-Touchscreen panels

Connection accessories



XBTZG9772



XBTZG9731

Cables and adaptors for connecting Magelis terminals to third-party PLCs

Mitsubishi, Melsec PLCs

Description Driver used	Type of terminal	Type of connector (fitted to cable, excluding adaptor)	Physical link (COM1)	Length m/ft	Reference	Weight kg/lb
Connection cable <i>Q Link (SIO)</i>	HMIGK	9-way SUB-D 9-way SUB-D	RS-232C	5/ 16.40	XBTZG9772	—
Connection cable <i>Q CPU (SIO)</i>	HMIGK	9-way SUB-D mini-DIN	RS-232C	5/ 16.40	XBTZG9774	—
Connection cable <i>A Link (SIO)</i>	HMIGK	9-way SUB-D 25-way SUB-D	RS-232C	5/ 16.40	XBTZG9731	—
Connection cable <i>FX (CPU)</i>	HMIGK	9-way SUB-D mini-DIN	RS-422	5/ 16.40	XBTZG980 + XBTZG919	—

Omron, Sysmac PLCs

Description Driver used	Type of terminal	Type of connector (fitted to cable, excluding adaptor)	Physical link (COM1)	Length m/ft	Reference	Weight kg/lb
Connection cables <i>Link (SIO)</i>	HMIGK	9-way SUB-D 9-way SUB-D	RS-232C	5/ 16.40	XBTZG9740	—
		9-way SUB-D 25-way SUB-D	RS-232C	5/ 16.40	XBTZG9731	—
Connection cables <i>FINS (SIO)</i>	HMIGK	9-way SUB-D 9-way SUB-D	RS-232C	5/ 16.40	XBTZG9740	—

Rockwell Automation, Allen-Bradley PLCs

Description Driver used	Type of terminal	Type of connector (fitted to cable, excluding adaptor)	Physical link	Length m/ft	Reference	Weight kg/lb
Connection cables <i>DF1 Full Duplex</i>	HMIGK	9-way SUB-D 25-way SUB-D	RS-232C (COM1)	5/ 16.40	XBTZG9731	—
Connection cables <i>DH485</i>	HMIGK	25-way SUB-D 8-way mini-DIN	RS-485 (COM2)	5/ 16.40	XBTZG9732 + XBTZG939	—

Siemens, Simatic PLCs

Description Driver used	Type of terminal	Type of connector (fitted to cable, excluding adaptor)	Physical link	Length m/ft	Reference	Weight kg/lb
Connection cable <i>PPI, S7 200</i>	HMIGK	RJ45/9-way SUB-D	RS-485 (COM2)	2.5/ 8.20	XBTZG9721	—
Connection cables <i>MPI port, S7 300/400</i>	HMIGK	9-way SUB-D 9-way SUB-D	RS-232C (COM1)	3/ 9.84	XBTZG9292	—

Operator dialogue terminals

Magelis GK Advanced Keypad-Touchscreen panels

Connection accessories



TSXSCA62 **TSXPACC01**



TSXSCA64

LU9GC3



VW3A8306TF10



TWDXCAISO

Connection of Magelis terminals via serial links and Ethernet network

Type of bus/network	Tap-off units	Connector (tap-off unit side)	Type of terminal	Length m/ft	Reference	Weight kg/lb
Uni-Telway serial link	Subscriber socket TSXSCA62	15-way female SUB-D	HMIGK (COM2)	3/ 9.84	VW3A8306	0.150/ 0.330
	Connection box TSXPACC01	8-way female mini-DIN	HMIGK (COM2)	2.5/ 8.20	XBTZ9780	0.180/ 0.397
Modbus serial link	Subscriber socket TSXSCA64	15-way female SUB-D	HMIGK (COM2)	3/ 9.84	VW3A8306	0.150/ 0.330
	8-port Modbus splitter box LU9GC3	RJ45	HMIGK (COM2)	2.5/ 8.20	XBTZ9980	–
	2-port tap-off junction TWDXCAISO TWDXCAT3RJ					
	T-junction box	With integrated cable, RJ45 fitted	HMIGK (COM2)	–	VW3A8306TF10	–
Ethernet TCP/IP network	Hubs 499 NEH/NOH	RJ45	HMIGK●30	2/ 6.56	490NTW00002	–
	Switches 499 NES, 499 NMS, 499 NSS and 499 NOS			5/ 16.40	490NTW00005	–
				12/ 39.37	490NTW00012	–
				40/ 131.23	490NTW00040	–
				80/ 262.47	490NTW00080	–

Connection of Magelis terminals to fieldbuses

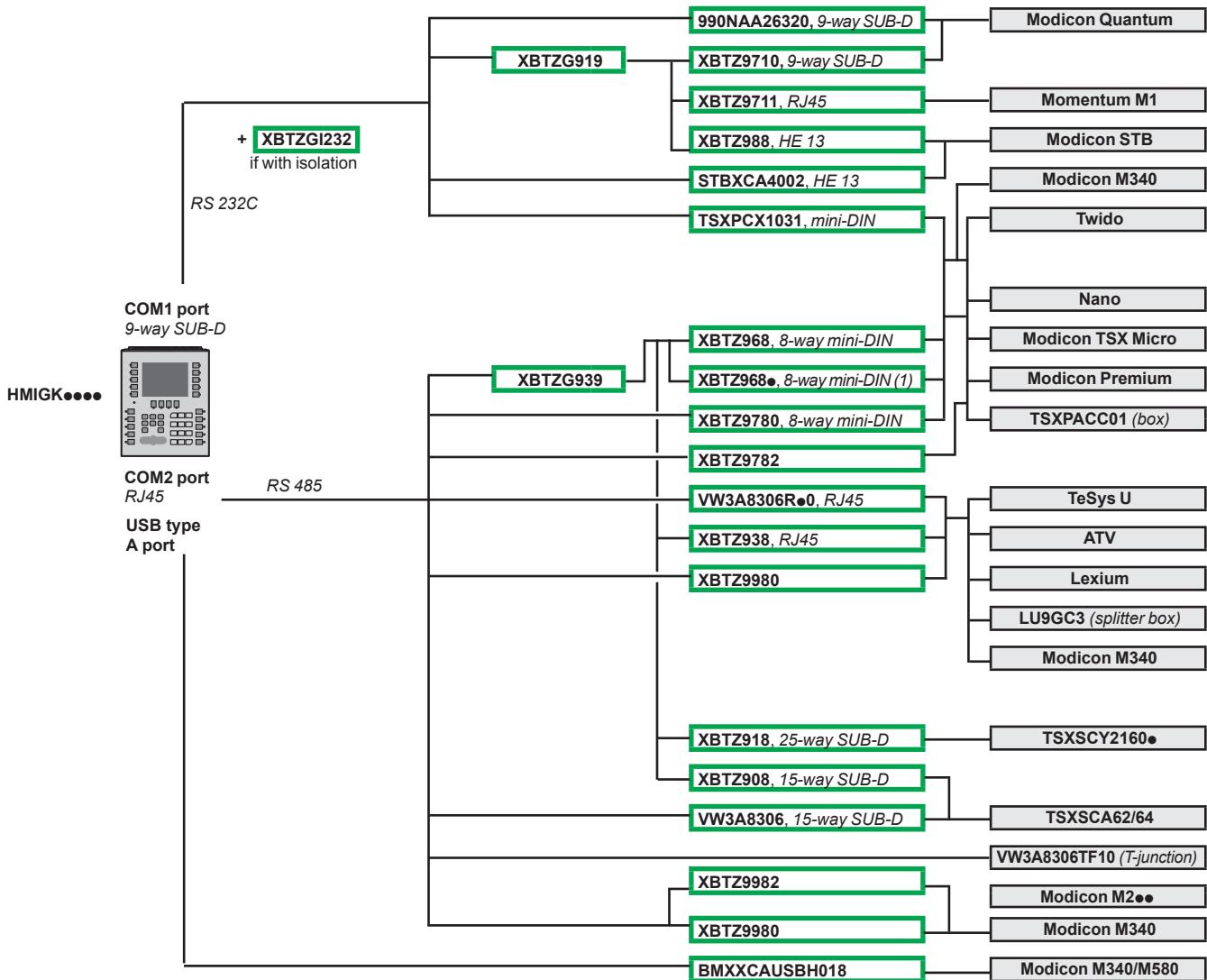
Type of bus/network	Connection components	Type of terminal	Reference	Weight kg/lb
Fipway, Fipio	USB gateway	HMIGK	TSXCUSBFIP	–
Modbus Plus	USB gateway	HMIGK	XBTZGUMP	–

Modular regulated switch mode power supplies (1)

Input voltage/ Output voltage	Combination with terminals	Nominal power	Nominal current	Reference	Weight kg/lb
100...240/24 V single-phase wide range line supply 47...63 Hz	HMIGK	30 W	1.2 A	ABL8MEM24012	0.195/ 0.430

(1) Dimensions: H x W x D = 90 x 54 x 59 mm/3.54 x 2.13 x 2.32 in. (ABL8MEM24012) and 90 x 72 x 59 mm/3.54 x 2.83 x 2.32 in. (ABL7RM24025). For further information, please refer to our website www.schneider-electric.com.

HMIGK terminals and Schneider Electric products



(1) • defines the length:

- 0, 2.5 m/8.20 ft (elbowed connector)
- 1, 5 m/16.40 ft
- 6, 16 m/52.49 ft
- 7, 20 m/65.62 ft
- 8, 25 m/82.02 ft

4	XBTZG919	12 13
490NTW00002		14
490NTW00005		14
490NTW00012		14
490NTW00040		14
490NTW00080		14
9	XBTZG939	12 13
990NAA26320		12
A	XBTZG9292	13
ABL8MEM24012		14
B	XBTZG9721	13
	XBTZG9731	13
	XBTZG9740	13
	XBTZG9772	13
	XBTZG9774	13
	XBTZGI232	12
	XBTZGI485	12
	XBTZGUMP	14
	XBTZGUSB	11
H		
HMIGK2310		11
HMIGK5310		11
HMI2GCLP1		11
HMI2GPWS		11
HMI2SCLP3		11
HMI2SD4G		11
HMI2SUSBB		11
HMI2URS		12
S		
STBXCA4002		12
T		
TSXCUSBFIP		14
V		
VW3A8306		14
VW3A8306R30		12
VW3A8306TF10		14
X		
XBLYGK2		11
XBLYGK5		11
XBTZ915		12
XBTZ980		13
XBTZ988		12
XBTZ3002		11
XBTZ9710		12
XBTZ9711		12
XBTZ9732		13
XBTZ9780		12 14
XBTZ9782		12
XBTZ9980		12 14
XBTZ9982		12
XBTZG58		11
XBTZG59		11
XBTZG68		11
XBTZG69		11

Human Machine Interface



www.schneider-electric.com/hmi

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