7-solution Leader in Electrics & Automation

Micro Human Machine Interface

Next Generation Micro HMI with Various Displays



Automation Equipment







Programming Innovation Due to full-featured GUI programming tool, anybody can configure a system easily.

Low-Cost Innovation LSIS know-how-driven high functions reinforce your cost-competitiveness with economic HMI.

Performance Innovation High functions and reliability beyond the limit of general compact-sized HMIs can realize system operation at its maximum

When you use **XGT Panel**, you are to experience the followings:

Wire Reduction

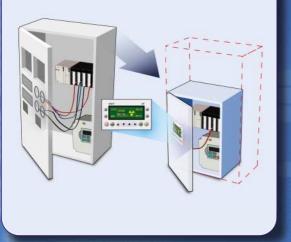
Replacing complicated wiring by communication line, it is a lot easier to do maintenance work.

Control Panel Downsizing

Thanks to XGT Panel functioning data display, input, output switch and lamp, control panel downsizing is accomplished.

Cost Down

Since I/Os and analog signals are managed by communication, PLC modules and other related equipment would be needless.



Enhancing User-friendliness

- Flexible to draw: 192 X 64 Dot Graphic LCD
- Easy to upgrade: O/S and font download
- Various tag/drawing functions support: 15 types
- Easy to manage data: internal memory (1000 words) support
- User-defined function keys support for each screen (F1~F4, ◀, ►, ▲, ▼)
- User-defined bitmap file input support
- Region-based upload/download support
- Built-in RTC: B Type
- Large screen memory: 256K

Flexible to supply power

- 5V supply by loader port for LS PLC and INV connection
- DC 24V supply from DC 24V input terminal

Language support

- English, Chinese, Korean
- Font-download adoption support

Strong communication functions

- Separate 2Ch support: RS-232C and RS-422/485
- Multi master communication (N:M) support
- Monitoring M PLCs with N GLOFA PANELs

Handy Monitoring Function

Thanks to 5V power supply through the loader port (LS PLC and LS VFD within 2 meters), XGT Panel runs without external DC24V. XGT Panel is portable and easy to configure and maintain.



Long-life backlight LED adoption

Low current consumption of LED backlight enables no need of backlight exchange, lengthening product life and convenient maintenance (It would be susceptible to installing conditions and environment).



Various communication modes and protocol driver supply

- LS PLC: loader and link (Cnet)
- LS VFD: loader (iS5/iP5(A)/iV5) and RS-485
- MODBUS ASCII/RTU protocol

1:1 configuration

- Mitsubishi FX series
- OMRON C-mode protocol

Sys

Func

* Communication drivers are added and updated.





Basic 1:1 configuration using RS-232C/RS-422/485



XGT Panel

FHR STOP Opr.Freq Out Current REU RUN STATUS OF PUMP Pump FWD RUN Pump STOP 3rd C Monitor Transfer R



Message Display Tag

Changeable message display for each device value Lamp Tag

Lamp display (circle and square)

Graph Tag

Variable graph display such as bar, trend, and pie graph.

Rotate/Move Tag

Dynamic expression of object according to device value







BITMAP Display

Easy registration and display of bitmap file in 192 × 64 (max.)

Alarm Record Management

Immediate alarm display concerning system errors (history record: up to 20)

Reservation

Using RTC functions, taking a certain action according to designated time (schedule: up to 20)

XGT LS 0 A STOP RESET ES G 2

Appearance and Functions XGT Panel

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Function keys: Bit/Drive Out/Increment/Decrement/Screen

- ESC: Input Cancelling ALM: Alarm History Arrow Keys: Bit/Drive Out/Increment/Decrement/Screen 4
- SET: PLC Data Input Set-up **IDENT: PLC Data Input ENTER** 6
- DC24V Power Supply ā

1:2 or 1:N configuration

RS-232C

- RS-232C port for downloading/communication A
- Screen Luminance Adjustment Set-up RS-422 Port

RS-485

Easy Drawing Tool Panel Editor



Enhanced user-friendliness by

Simple Memory Management

diverse drawing functions

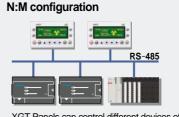
(line, circle, square, etc)

- Easy Programming One click on tag for instant drawing and editing
- Print Function Each screen print function support: available from version 1.1
- Direct Device Input Directly inputting device name
- Snap/Align functions Enhanced drawing easiness: snag and align functions

Easy recognition of the current memory usage N:1 configuration

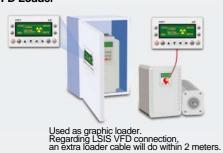
RS-485

Thanks to multi-master function, XGT Panels can control and supervise one single system.



XGT Panels can control different devices of which protocol is equal.





1:2 or 1:N configuration (separate channel): Using two separate communication ports

Building Automation Equipment



Used to monitor/control data in automatic parking system, HVAC, elevators, etc.

Process Automation

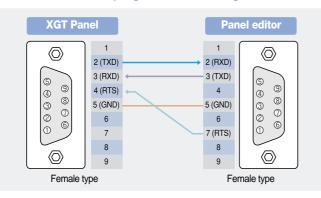


Used to configure a supervisory system (water treatment).

Performance specifications

Item		Specifi	Demark	
		XP10BKA/DC	XP10BKB/DC	Remark
Input power		4.9~5.1VDC (RS		
		21.6V~26.4VDC (Po		
Display		LED Back-ligh		
Communication Interface		DC 0000 J	Separate	
		RS-232C, RS-422/485		2 channels
Memory		25		
Languages		English, Chi		
RTC		None	Supports	
Up/Download		Speed 11		
spec.		Each memory area can		
Keys		12keys (F1~F4, ESC, ALM		
	User		Latch area is	
System memory	area	M000~M899	supported, in	
	aiea		XP10BKB/DC	
	System fiags	M900~M999 (100 words)		

Cable connection for program downloading



General specifications

ltem	Specifications				Standard	
Operating temperature	temperature 0°C ~+40°C (32°F ~104°F)					
Storage temperature	rage temperature -10°C ~+50°C (14°F ~122°F)					
Operating humidity	5~95%	5~95%RH, non-condensing				
Storage humidity	5~95%	RH, non-	con	densing		
	Occasional vibration Sweep count					
	Frequency	quency Acceleratio		mplitude		
	10≤f<57Hz	-	C	.075mm	10 times	
Vibration	57≤f≤150Hz	9.8 %²		-	in each	
VIDIALION	Continuo	us vibrati	on		direction	IEC61131-2
	Frequency	/ Acceleration		mplitude	for	
	10≤f<57Hz	-	0.	0375mm	X, Y, Z	
	57≤f≤150Hz	4.9 ^m / ₂		-		
Shocks	Maximum shock acceleration: 147‰ {15G} Duration time: 11ms Pulse wave: half sine wave pulse			. ,	IEC61131-2	
	Square wave impulse noise		±500V		LSIS Standard	
Noise immunit.	Electrostatic Voltage: 4k ¹ discharge (contact discha				IEC61131-2, IEC1000-4-2	
Noise immunity	Radiated electromagnetic field 27~500MHz,			10V/m	IEC61131-2. IEC1000-4-3	
	Fast transient /Burst noise	Volta	Voltage 1kV/0.25kV		5kV	IEC61131-2, IEC1000-4-4
Atmosphere	Free from corrosive gases and excessive dust					
Altitude for use	Up to 2,000m					
Pollution degree 2 or lower						
Cooling method Air-cooling						

Line-up

Specifications
4.1", Mono, RS-232C, RS-422/485
4.1″, Mono, RS-232C, RS-422/485, RTC

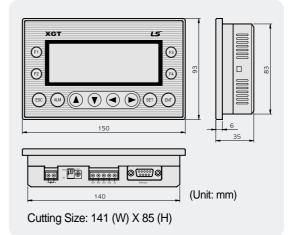
Communication drivers to support

Item		Device	Driver		
	PLC	MASTER-K	LOADER	LINK (CNET)	
LS		GLOFA-GM	LOADER	LINK (CNET)	
	INV	SV-iC5	-	MODBUS	
		SV-iG5/iG5A	-	RS-485, MODBUS	
		SV-iS5	LOADER	RS-485, MODBUS	
		SV-iP5/iP5A	LOADER	RS-485, MODBUS	
		SV-iV5	LOADER	-	
		SV-iH	-	RS-485	

Other	MITSUBISH FX Series			
Others	OMRON C-mode			
MODDUE	Master	RTU	ASC	
MODBUS	Slave	RTU	ASC	

* Drivers are continually updated

Dimensions



Cable connection

5 C

Program downlo	ad cable	LS PLC loader (SV)		
PC	XGT Panel	XGT Panel	PLC	
$ \begin{array}{c} 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ 0 \\ 0 \\ 9 \\ 7 \end{array} $	012	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	6 0 0 7 0 0 8 0 0 9 0 0	
Female	Female	Female	Male	
LS PLC built - in	Cnet (SV)	Cnet I/F module		
XGT Panel	PLC	XGT Panel	PLC	
$ \begin{array}{c} 1 \\ 2 \\ 3 \\ 0 \\ 3 \\ 0 \\ 0 \\ 8 \end{array} $		$\begin{array}{c} 1 \\ 2 \\ 3 \\ 0 \\ 3 \\ 0 \\ 0 \\ 8 \\ 8 \\ 5 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1$	6 0 0 7 0 0	

004

Male

* For more information, refer to user's manual

4 0 0 8 5 0 9

Female

Male

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Leader in Electrics & Automation



- · For your safety, please read user's manual thoroughly before operating
- · Contact the nearest authorized service facility for examination, repair, or adjustment.
- Please contact a qualified service technician when you need maintenance. Do not disassemble or repair by yourself!
- Any maintenance and inspection shall be performed by the personnel having expertise concerned.

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Specifications in this catalog are subject to change without notice due to continuous product development and improvement.

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