7-solution Leader in Electrics & Automation

Always With Our Customers

Micro Human Machine Interface



Next Generation Micro HMI with Various Displays



Automation Equipment







HIVII Innovation?

Minimum-sized XGT Panel

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

Low-Cost Innovation LGIS 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

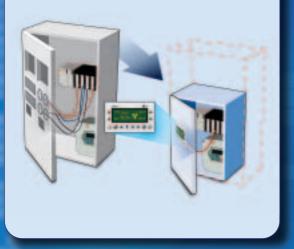
Replacing complicated wiring by communication line, it is a lot easier to do maintenance work.

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, \triangleleft , \blacktriangleright , \blacktriangle , \blacktriangledown)
- 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 LG PLC and INV connection
- DC 24V supply from DC 24V input terminal

Language support

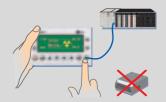
- English, Chinese, Korean
- Font-download adoption support

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 (LG PLC and LG 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

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

1:1 configuration

System Functions

- Mitsubishi FX series
- OMRON C-mode protocol
- * Communication drivers are added and updated.





neXt Generation One step upgraded system with XGT **Technology** Panel enhances your competitiveness.





Appearance and Functions XGT Panel

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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)

Easy Drawing Tool **Panel Editor**



(line, circle, square, etc)

memory usage

Simple Memory Management

Easy recognition of the current

- 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

ሐ Ø Drawing Tool Enhanced user-friendliness by In Function keys: Bit/Drive Out/Increment/Decrement/Screen diverse drawing functions ESC: Input Canceling ALM: Alarm History

- Arrow Keys: Bit/Drive Out/Increment/Decrement/Screen 4
- 5 SET: PLC Data Input Set-up ENT: PLC Data Input ENTER
- DC24V Power Supply

1:2 or 1:N configuration

RS-232C

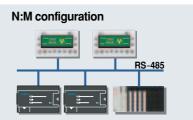
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- In the second second
- Screen Luminance Adjustment Set-up RS-422 Port

RS-485

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

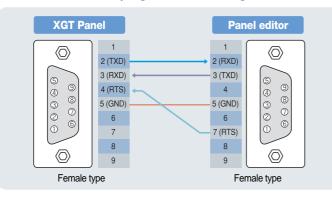


Used to configure a supervisory system (water treatment).

Performance specifications

Item		Specifi	Domork	
		XP10BKA/DC	XP10BKB/DC	Remark
Input power		4.9~5.1VDC (RS-		
input po	WCI	21.6V~26.4VDC (Pov		
Display		LED Back-light	t (192×64 Dot)	
Commun	nication	RS-232C, RS-422/485		Separate
Interface	•			2 channels
Memory		256K		
Languages		English, Chir		
RTC		None	Supports	
Up/Download		Speed 11		
spec.		Each memory area can l		
Keys		12keys (F1~F4, ESC, ALN		
	User	M000~M899 (900 words)		Latch area is
System memory	area			supported, in XP10BKB/DC
	System fiags	M900~M999 (100 words)		

Cable connection for program downloading



General specifications

ltem	Specifications					Standard
Operating temperature	0°C~+	+40°C (3	32°F	~104°F)		
Storage temperature	-10°C~	+50°C	(14°	F~122°F)		
Operating humidity	5~95%	RH, no	n-c	ondensing		
Storage humidity	5~95%	RH, no	n-c	ondensing		
	Occasional v	vibratio	n		Sweep count	
	Frequency	Acceleration		Amplitude		
	10≤f<57Hz	-		0.075mm	10 times	
Vibration	57≤f≤150Hz	9.8 ^m	6 ²	-	in each	
VIDIAUOII	Continuo	ous vibr	atio	n	direction	IEC61131-2
	Frequency	Acceleration Amplitu		Amplitude	for	
	10≤f<57Hz	-		0.0375mm	X, Y, Z	
	57≤f≤150Hz	4.9 ^m /	5 ²	-		
Shocks	Maximum shock acceleration: 147 ^{m/} / ₂ {15G} Duration time: 11ms Pulse wave: half sine wave pulse			IEC61131-2		
	Square wave impulse noise	+ 5000			,	LGIS Standard
Noise immunity	Electrostatic discharge				IEC61131-2, IEC1000-4-2	
	Radiated electromagnetic fie	27~500MHz 10V/m			IEC61131-2. IEC1000-4-3	
	Fast transient /Burst noise		Itag	e 1kV/O.2	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	oling method Air-cooling					

Line-up

· ·	
Part number	Specifications
XP10BKA/DC	4.1", Mono, RS-232C, RS-422/485
XP10BKB/DC	4.1″, Mono, RS-232C, RS-422/485, RTC

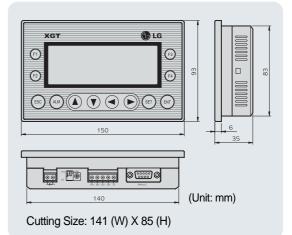
Communication drivers to support

Item		Device	Driver		
LG	PLC	MASTER-K	LOADER	LINK (CNET)	
		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	
Others		MITSUBISH FX Serie	s		

Othoro	WITOODIOITT X Genes				
Others	OMRON C-mode				
	Master	RTU	ASC		
INIODB03	Slave	RTU	ASC		
	Others MODBUS	Others OMRON C-mode MODBUS	Others OMRON C-mode MODBUS Master RTU		

* Drivers are continually updated

Dimensions



Cable connection

Female

Program do	wnload cable	LG PLC loader (SV)		
PC	XGT Panel	XGT Panel	PLC	
$ \begin{array}{c} 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ 0 \\ 9 \\ 7 \\ 9 \\ 7 \\ 7 \\ 9 \\ 7 \\ 7 \\ 7 \\ 7 \\ 7 \\ 7 \\ 7 \\ 7 \\ 7 \\ 7$	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	$ \begin{array}{c} 1 \\ 2 \\ 3 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$	$\begin{array}{c} 1 \\ -2 \\ -3 \\ -5 \\ -5 \\ -5 \\ -5 \\ -5 \\ -5 \\ -5$	
Female	Female	Female	Male	
LG PLC bui	lt - in Cnet (SV)	Cnet I/F m	odule	
XGT Panel	PLC	XGT Panel	PLC	
	1 20	AGT Pallel	FLC	

* For more information, refer to user's manual

Male

Female

Male

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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2004. Oct	XGT Panel(E) 2004. 10/(01) 2004. 10 Printed in Korea STAFF