



XGT Panel

eXP2 Series

Human Machine Interface

Full Compatibility and Improved Performance Enjoy the Satisfying Experience with eXP2!

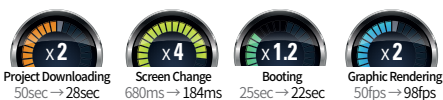
User-oriented interface, strong performance, smooth and quick screen transitions as well as fast response time. Meet eXP2 Series, featuring a true connection between the user and the equipment.



Superior Performance

- ARM Cortex A8 800MHz platform, eMMC 4G, DDR3 / Windows Embedded Compact 7.0 applied
- Improved project downloading speed by 2X, screen switching speed by 4X, booting time by 1.2X, and graphic rendering by 2X compared to eXP.

Performance Comparisons (eXP → eXP2)



※ May vary depending on operating conditions



Enhanced Product Reliability

- LCD Backlight Lifespan(7": 20,000 Hrs → 50,000 Hrs, 10.1": 20,000 Hrs → 30,000 Hrs)
- Non Battery Type NVRAM (Logging, alarm, and protection of internally retained device data)



Variety of Interfaces and Functions

- Consistent update of communication drivers. 105 communication drivers (54 companies including LS ELECTRIC) are available currently.
- Various functions including Portrait Mode, PDF Viewer, FTP Client, and VNC Viewer are available.





eXP2 Series

Features



USB Device

- Logging/Recipe/Screen data backup
- Download/Upload project
- Upload project file
- XGT Panel update

USB Host

- USB memory connection: logging/recipe/screen data backup
- Project data transfer/backup
- User interface connection: mouse/keyboard
- Printer connection

RS-232C/485 Connector

Ethernet Terminal

Power Terminal

- Power input (24VDC)

RS-422/485 Connector

Micro SD Card(Optional)

Portrait Mode



- Vertical mounting is available
- Setting in XP-Builder: [COMMON]-[Project Property Setting]

Item	eXP	eXP2
Vertical Mode	eXP20 Only	0
PDF Viewer	X	0
FTP Client	X	0
VNC Client	X	0

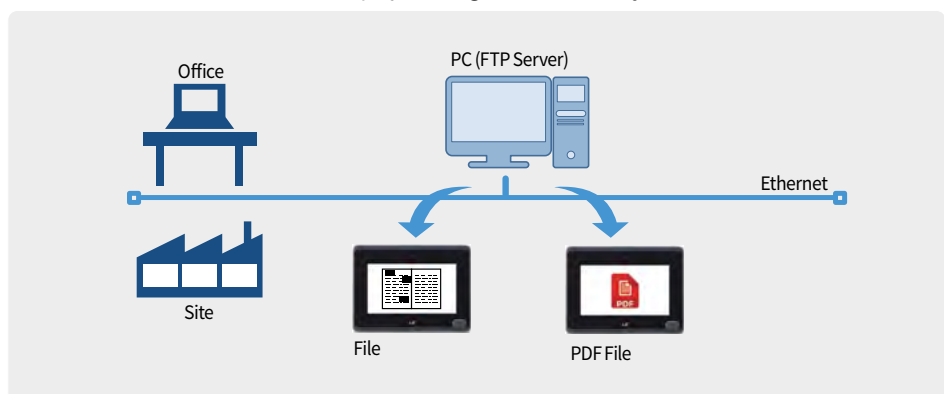
PDF Viewer



- PDF files can be displayed on XGT Panel.
- In the event of an alarm, the content of the alarm's trouble shooting can be checked on site as a PDF file.
- PDF files on an FTP server can be displayed using a PDF viewer object.

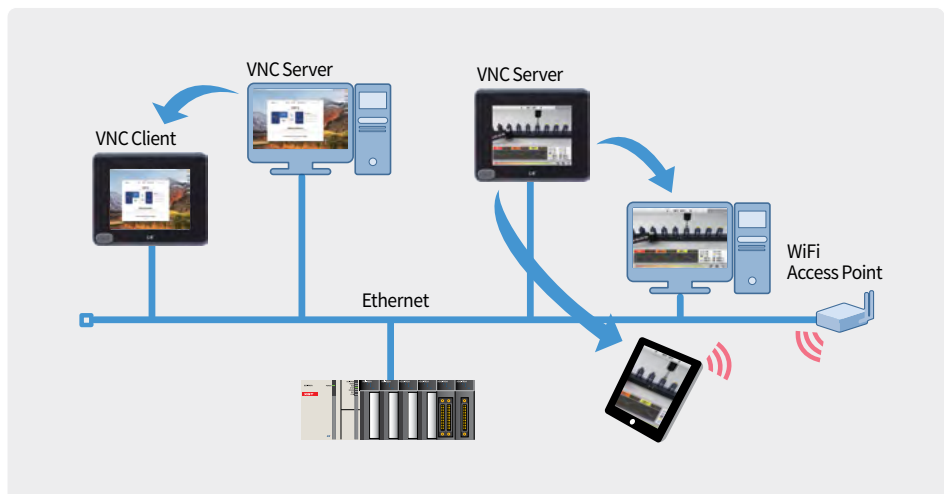
FTP Client

- FTP client is an object that can connect to the FTP server, display the list of files and directories on the FTP server, and download the selected file.
- PDF files on an FTP server can be displayed using a PDF viewer object.



VNC Viewer

- Remotely monitoring PC or HMI using VNC Viewer is available
 - Download VNC server to HMI using XP-Manager.
 - Install a universal VNC server on your PC.(Ultra VNC, Real VNC, etc.)
- Add 'VNC Viewer' object to the project screen.





eXP2 Series

Features

Specifications

Item	eXP2-04□*0D	eXP2-05□*0D	eXP2-05□*2D	eXP2-07□*0D	eXP2-07□*1D	eXP2-07□*2D	eXP2-10□*0D	eXP2-10□*1D		
Display Type	TFT Color LCD									
Screen Size	10.9cm (4.3")	14.2cm (5.6")		17.8cm (7")			25.9cm (10.1")			
Display Resolution	480 x 272	640 x 480		800 x 480			1024 x 600			
Color Indication	24Bit Color (16.7M)	18Bit Color (262,144)		24Bit Color (16.7M)			24Bit Color (16.7M)			
Indication Degree	Left/Right: 60 deg. Upper: 40 deg. Lower: 50 deg.	Left/Right: 60 deg. Upper: 40 deg. Lower: 50 deg.		Left/Right: 70 deg. Upper: 50 deg. Lower: 70 deg.			Left/Right: 70 deg. Upper: 50 deg. Lower: 70 deg.			
Backlight	LED Type (Supports Backlight Auto-off Function)									
Backlight Duration	50,000 Hours	20,000 Hours		50,000 Hours			30,000 Hours			
Touch Panel	4-Wire Resistive, Analog									
Audio Output	Magnetic Buzzer (85dB)									
Process	800MHz	800MHz		800MHz			800MHz			
Memory	Drawing Memory	64MB	64MB		64MB			64MB		
	Operating RAM	512MB	512MB		512MB			512MB		
	Operating RAM	128KB	128KB		128KB			128KB		
Backup Data	Date/Hour Data, Logging/Alarm/Recipe Data and Nonvolatile Device									
Battery Life	Approx. 3 years (Operating Ambient Temperature of 50°C)									
Ethernet	1 Channel, IEEE802.1a, 10Base-T/100Base-TX	-		1 Channel, IEEE802.1a, 10Base-T/100Base-TX		-		1 Channel, IEEE802.1a, 10Base-T/100Base-TX		
USB Host	1 Channel, USB 2.0 Host (Mouse, keyboard, printer, USB flash drive, etc.)									
USB Device	-	1 Channel, USB 2.0 Device (for Download and Upload Project)					1 Channel, USB 2.0 Device (for Download and Upload Project File)			
MicroSD Card	-	-		-	1 Channel SDHC Class10	-		1 Channel SDHC Class10		
RS-485, RS-232C	1 Channel, RS-232C (DSUB 9/Male Type)			2 Channels, RS-485, RS-232C (DSUB 9/Male Type)						
RS-422/485	1 Channel, RS-422/485 (DSUB 9/Male Type)			1 Channel, RS-422/485 Mode (Terminal Type)						
Multi-language	Up to 12 Language Simultaneously									
Animation	GIF Format is Available									
Recipe	Available									
Data Logging	Available									
Script Executor	Available									
Certifications	CE, UL(cUL), UL Type 4X, KC		CE, UL(cUL), KC		CE, UL(cUL), UL Type 4X, KC		CE, UL(cUL), KC			
Protection Standard	IP65 ^{Note 1)}		IP65 ^{Note 1)}		IP65 ^{Note 1)}		IP65 ^{Note 1)}			
Dimension (mm)	128 x 102 x 32.5		165 x 132.5 x 36.1		208 x 154 x 44.4			276 x 218 x 35.1		
Panel Cut (mm)	119 x 93		156 x 123.5		192 x 138			260 x 202		
Rated Voltage	DC24V		DC24V		DC24V			DC24V		
Power Consumption (W)	4		5.5		6			6		
Weight (kg)	0.27		0.43		0.59		0.58		1.0	

□*0 (WinCE 7.0 Core), 1 (WinCE 7.0 Pro)

Note 1): IP66 for UL Type 4X models.