

iXP Series

High-resolution and performance

- 1GHz high-performing CPU & quick screen refreshing speed
- 16,777,216 TFT colour (24bit) support & high-luminance/resolution LCD
- Mass internal memory (User memory: 128MB, Data backup: 1MB)

User-oriented simple environment

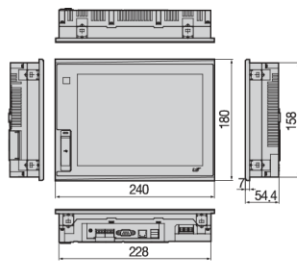
- Various storage interfaces (USB/SD)
- Movement detection (presence sensor) system



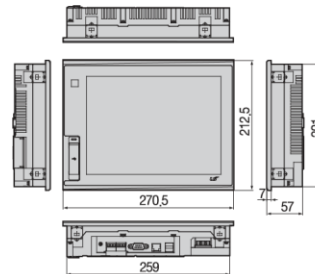
Dimensions

[Unit: mm]

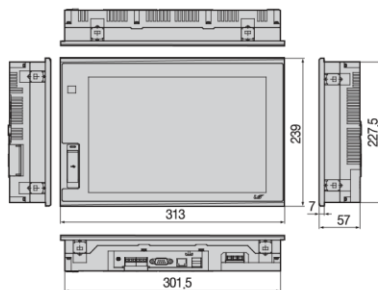
iXP50-TTA



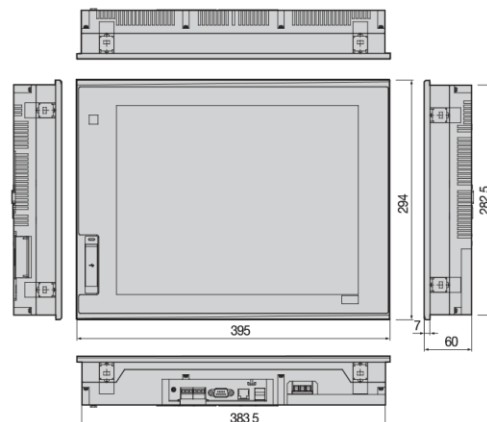
iXP70-TTA



iXP80-TTA



iXP90-TTA



General Information

Item	iXP50-TTA/DC	iXP70-TTA/DC iXP70-TTA/AC	iXP80-TTA/DC iXP80-TTA/AC	iXP90-TTA/DC iXP90-TTA/AC
Display type	TFT colour LCD			
Screen size	21.3cm (8.4")	26.4cm (10.4")	30.7cm (12.1")	38.1cm (15")
Display Resolution	800×600 pixel(SVGA)	800×600 pixel(SVGA)	800×600 pixel(SVGA)	1,024×768 pixel(SVGA)
Colour indication	16-bit and 24-bit Colour (default: 16-bit Colour)			
Indication degree	Left/Right: 80 deg. Up: 80 deg. Down: 60 deg.	Left/Right: 80 deg. Up: 60 deg. Down: 80 deg.		
Backlight	LED Type			
Backlight duration	70,000 hours	60,000 hours		
Brightness	500 cd/m ²	700 cd/m ²	550 cd/m ²	800 cd/m ²
Touch panel	4-Line type, analogue			
Sound Output	Magnetic buzzer (85dB)			
Process	ARM Cortex-A8 Core (32bit RISC), 1GHz			
Memory	Flash	512MB(display 128MB)	1GB(display 128MB)	
	Operating RAM	256MB	512MB	
	Backup RAM	1MB		
Backup data	Date/Hour data, Logging/Alarm/Recipe data and non-volatile device			
Battery duration	Approx. 3 years (Operating ambient temperature of 25)			
Ethernet	1 channel, 10/100BASE-TX			
USB Host	3 channels, USB 2.0 host (mouse, keyboard, printer* and USB memory driver is available)			
	1 channel, USB 2.0 slave (for download and upload project file)			
RS-232C	1 channel			
RS-422/485	1 channel, RS-422/485 mode			
SD Card	1 Slot (SDHC)			
Human sensor	-	Detection range: side 1-1.5m, front 40-50cm Angle: high/low 100°, left/right 140° (detecting 5-20 micron infrared light)		
Audio output	LINE-OUT 1 channel			
Expansion module	For communication and I/O option module (available later)			
VM module	-	4 channels video input (available later)		
Multi-language	Up to 12 language simultaneously			
Animation	GIF format is available			
Recipe	available			
Data logging	available			
Script executor	available			
Certifications	CE, UL(cUL), KC			
Protection standard	IP65			
Dimension (mm)	240.5×180.0×54.4	270.5×212.5×60.0	313.0×239.0×56.0	395.0×294.0×60.0
Panel cut (mm)	228.5×158.5	259.0×201.0	301.5×227.5	383.5×282.5
Rated voltage	DC24V	DC12/24V(AC 100-240V)		
Power consumption (W)	30.8	42.3	42.3	42.3
Weight(Kg)	1.9	2.2	2.4	3.9

Communication Protocols

Manufacturer	Protocol	Manufacturer	Protocol	
LSIS	GM CPU	KOYO Electronic	DirectNet	
	GM Cnet	KTURBO	Turbo Blower	
	GM Enet	Lenze Automation	Lecom A/B	
	MK CPU	Mitsubishi Electric	MELSEC A-CPU	
	MK Cnet		MELSEC A-Link	
	MK Enet		MELSEC FX-CPU	
	XGK CPU		MELSEC FX-Ethernet	
	XGK Cnet		MELSEC FX-Link	
	XGK Enet		MELSEC Q-CPU, "U" Type excluded	
	XGK EtherNet/IP		MELSEC QnA-Link	
	XGB CPU		MELSEC QnA-Ethernet	
	XGB Cnet		MELSEC QnU CPU Ethernet	
	XGB Enet		MELSERVO-J2	
	XGB EtherNet/IP	MELSERVO-J3		
	XGI/XGR CPU	OMRON	CS/CJ Series Ethernet	
	XGI/XGR Cnet		CS/CJ Host Link	
	XGI/XGR Enet		C Series Host Link	
	XGI/XGR EtherNet/IP		CS1 EthernNet/IP	
	XEC CPU	Panasonic Electric	CJ2 EthernNet/IP	
	XEC Cnet		FP Series	
	XEC Enet	Parker	MINAS Servo	
	XEC EtherNet/IP		Hi-Drive	
	Inverter LSBus	PROFIBUS International	PROFIBUS DP Slave *	
LS Mecapion	Inverter Modbus	Rockwell Automation	Compact/ControlLogix EtherNet/IP	
	User Defined Protocol		MicroLogix EtherNet/IP	
	User Defined Protocol (Slave)		SLC500 Series DF1	
	XGT Servo		Compact/ControlLogix DF1	
BACnet	VS/VP Servo Drive	RS Automation	MicroLogix DF1	
	MXQ Series		N/NX-CCU	
BACnet	IP Master	Schneider Electric	NX-CCU+	
BYD Auto	BYD Auto dedicated		MODBUS RTU Master	
CAN in Automation	CANopen Slave *		MODBUS RTU Slave	
Control Techniques	CT Modbus RTU		MODBUS TCP Master	
DAEWON GSI	DAEWON GSI dedicated controller		MODBUS TCP Slave	
Dasarobot	iM-SIGMA series		MODBUS ASCII Master	
Delta Electronics	DVP Series		MODBUS ASCII Slave	
Digital Electronics(Pro-face)	Memory Link		SEW EURODRIVE	MOVIDRIVE Serial
Fuji Electric Systems	MICREX-SX Series SIO		Siemens AG	S7 3964(R)/RK512
	MICREX-SX Ethernet			S7 MPI(Adapter)
GE Intelligent Platforms	SNP	S7 PPI		
	SNP-X	LOGO Ethernet		
HANYOUNG NUX	Temperature Controller	S7 1200 Ethernet		
HIGEN Motors	Servo	S7 300/400 Ethernet		
Hitachi	H Series Ethernet	Sprint Electric		DC Motor Drive Ethernet
	H Series Link	YASKAWA Electric		MEMOBUS RTU Master
HYUNDAI Elevator	SKY-RAV(Ethernet)	YOKOKAWA Electric		MP Series Ethernet (Extension)
	SKY-RAV(Link)			FA-M3 Series
KDT Systems	CIMON Serial Link	Beckhoff	FA-M3 Series-Ethernet	
	BP Series Loader		ADS Ethernet	
	CP Series Loader	TSSI	VERID+ FingerPrint Reader	
	XP Series Loader	FATEC Automation Corporation	FB Series Serial	
Keyence	KV-700/1000/3000/5000/5500 Serial			
	KV-700/1000/3000/5000/5500 Ethernet			