

# iXP Series

### High-resolution and performance

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

### User-oriented simple environment

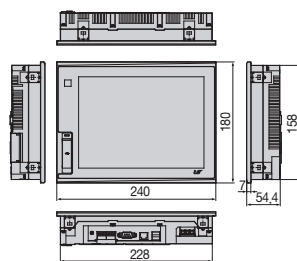
- Various storage interfaces (USB/SD)
- Movement detection (presence sensor) system (within 1m)



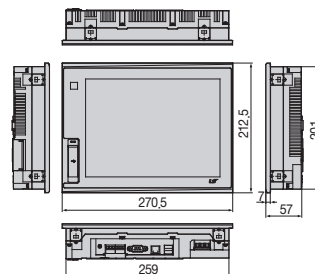
## Dimensions

[Unit: mm]

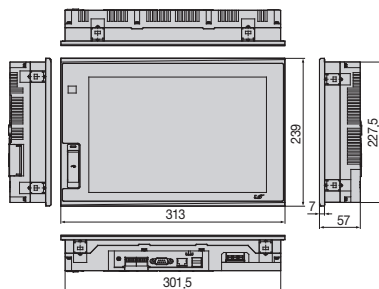
iXP50-TTA



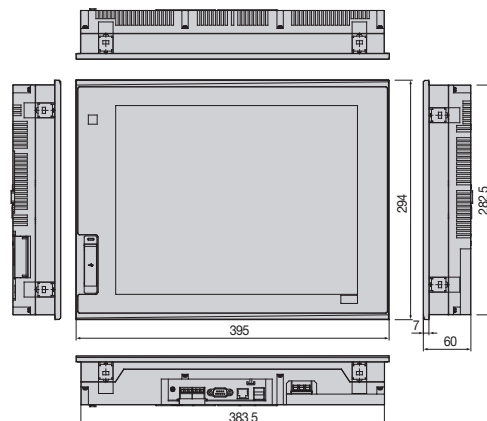
iXP70-TTA



iXP80-TTA



iXP90-TTA



## General Information

Item	Description	Standard
Ambient Temperature	0°C~+50°C	
Storage Temperature	-20°C~+60°C	
Ambient Humidity	10~85%RH, without dew condensation	
Storage Humidity	10~85%RH, without dew condensation	
Vibration resistance	Occasional vibration	
	Frequency	Acceleration
	5 ≤ f < 9Hz	-
	9 ≤ f ≤ 150Hz	9.8%
	Continuous vibration	
	Frequency	Acceleration
5 ≤ f < 9Hz	-	
9 ≤ f ≤ 150Hz	4.9%	
	Amplitude	Counts
		10 times each direction (X, Y and Z)
		IEC 61131-2
Shock resistance	Maximum shock acceleration: 147% (15g) * Authorization time: 11ms * Pulse waveform: Half-sine wave (3 times each of X, Y and Z) *	
		IEC 61131-2
Vibration resistance	Square wave impulse noise	DC: ±1,200V AC: ±1,800V
	Electrostatic discharge	±4kV (Contact discharge)
	Radiated electromagnetic field noise	80 ~ 100MHz, 10V/m
	Fast transient/Burst noise	Power Module: 2 kV, Communication Interface: 1kV
		LSIS Standards
		IEC 61131-2, IEC 61000-4-2
		IEC 61131-2, IEC 61000-4-3
		IEC 61131-2, IEC 61000-4-4
Operating ambience	Free from corrosive gas and excessive dust	
Altitude	2,000m (6,562ft) or below	
Pollution degree	2 or under	
Cooling method	Natural air-cooling	

## Specifications

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 color 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)
Color indication	16-bit and 24-bit Color (default: 16-bit Color)			
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 <sup>2</sup>	700 cd/m <sup>2</sup>	550 cd/m <sup>2</sup>	800 cd/m <sup>2</sup>
Touch panel	4-Line type, analog			
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 nonvolatile device			
Battery duration	Approx. 3 years (Operating ambient temperature of 25 °C)			
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

\* SEWOO printer only