

HMI5120XL / HMI5121XL Comparison



HMI5120XL



HMI5121XL

System	CPU	32-bit RISC Cortex-A8, 1 GHz	32-bit RISC Cortex-A8, 1 GHz
	Memory (RAM)	256 MB	256 MB
	Memory (Flash)	256 MB	256 MB
	RTC	Built-in	Built-in
I/O Ports	Serial	1 x DE-9P COM1: RS-232 1 x DE-9S COM1: RS-485 2/4 wire, COM3: RS-485 2 wire	1 x DE9P COM1: RS-232 1 x DE9S COM1: RS-485 2 or 4 wire, COM3: RS-485 2 wire
	LAN	1 x GbE RJ-45	1 x 10/100 Base-T
	CANbus	N/A	N/A
	USB Host	1 x USB 2.0	1 x USB 2.0
	USB Client	1 x USB 2.0	1 x USB 2.0
	Audio	N/A	N/A
	Video	N/A	N/A
	Wi-Fi	N/A	N/A
	HDMI®	N/A	N/A
	SD Card Slot	SD/SDHC	SD/SDHC
Display	Display Type	12.1" IPS LCD	12.1" TFT LCD
	Size (W x H)	9.65 x 7.28 inches [245 x 185 mm]	9.76 x 7.34 inches [248 x 187 mm]
	Resolution (pixels)	1024 x 768	1024 x 768
	Max. Colors	16.7 M	16.2 M
	Luminance (cd/m²)	500	500
	Viewing Angle (H°/V°)	178/178	N/A
	Contrast Ratio	1000:1	700:1
Touch Screen	Type	4-wire resistive touch	4-wire resistive touch
	Active Area Accuracy	Length (X) ± 2%, width (Y) ± 2%	Length (X) ± 2%, width (Y) ± 2%
Electrical	Input Voltage	24 ± 20% VDC	24 ± 20% VDC
	Input Current	1.5 A @ 24 VDC	800 mA @ 24 VDC
	Input Power	36 W	19.2 W
	Power Isolation	Built-in	Built-in
	Isolation Resistance	Exceed 50 MΩ at 500 VDC	Exceed 50 MΩ at 500 VDC
Mechanical	Enclosure	Plastic, Charcoal Grey	Aluminum, charcoal grey
	PCB Coating	Yes	Yes
	Dimensions (W x H x D)	12.68 x 9.57 x 2.09 inches [322 x 243 x 51 mm]	12.48 x 9.61 x 1.81 inches [317 x 244 x 46 mm]
	Net Weight	4.41 lbs. [2.0 kg]	4.6 lbs. [2.1 kg]
	Mounting	Panel Mounting	Panel or VESA 75 x 75 mm mounting
Environmental	Operating Temperature	32° ~ 122° F (0° ~ 50° C)	32° ~ 122° F (0° ~ 50° C)
	Storage Temperature	-4° ~ 140° F (-20° ~ 60° C)	-4° ~ 140° F (-20° ~ 60° C)
	Relative Humidity	10% ~ 90% (non-condensing)	10% ~ 90% (non-condensing)
	Vibration Endurance	10 to 25 Hz (X, Y, Z direction, 2 G, 30 minutes)	10 to 25 Hz (X, Y, Z direction, 2 G, 30
	Ratings	IP65 compliant front panel, NEMA 4X (Indoor Use only)	IP66 compliant front panel NEMA 4X (indoor use only)
	Certifications	CE, RoHS	cULus , CE, RoHS
Software	EasyBuilderPro (v6.03.01 or later)	EasyBuilderPro (v6.00.01.174 or later)	
Notes	Specifications subject to change without notice		