



P5120ZB

HMI with 12.0" TFT LCD display

- ✧ Cortex 1GHz Processor
- ✧ Built-in Power Isolation
- ✧ Built-in PLC Expansion function
- ✧ PCB coating for Stability in Harsh Environment
- ✧ Fan-less Design for Cooling Method
- ✧ High Noise Immunity Design for Industrial Application

Display	Panel Size	12.0" TFT (4:3)	I/O Port	Serial 1 (DB-9)	RS-232 (2W)
	Panel Resolution	1024 x 768		Serial 2 (Terminal Blocks)	RS-422/485 (4W) RS-485 (2W)
	Brightness	500 (cd/m²)		RS-422/485 Isolation	–
	Contrast Ratio	900		Ethernet	10M / 100M
	Backlight Type	LED		USB HOST	USB2.0 x 1
	Backlight Life Time	30,000 Hrs		USB Device	USB2.0 x 1(USB Type C)
	Colors	16.2M		Micro-SD Slot	Yes
	LCD Viewing Angle	70/70/80/80 (T/B/L/R)		Audio Output	–
Touch	Type	4-wire Resistive Type		Video Input	–
	Accuracy	X axis±2%; Y axis±2%		Termination Switch	Yes
Memory	Flash	256MB	I/O Extension	PLC Extension	Yes
	RAM	256MB		HMI Extension	Yes
System	CPU	32 bit RISC Cortex-A8 1GHz	Power	Wireless Module	Yes
	RTC	Yes		Power Input Range	14 ~ 32VDC
Dimension /Weight	Dimensions W x H x D	291.0 x 239.0 x 40.9 (mm)		Power Isolation	Yes
	Cut-out	282.0 x 230.0 (mm)		Isolation Resistance	Exceed 50MΩ at 500VDC
	Weight	1450 (g)		Power Consumption	15W (@24VDC)
Environment	Protection Structure	Front panel : IP65 / Rear Case : IP20			
	PCB Coating	Yes			
	Operating Temp	0~50°C			
	Storage Temp	-20 ~ 60°C			
	Relative Humidity	10%~90% (40°C Non-condensing)			
	Withstand Voltage	500VAC/20mA/1 Min. (between charger & FG terminals)			
	Vibration Endurance	5 to 9Hz Half-amplitude: 3.5mm ; 9 to 150 Hz Constant acceleration: 19.6m/s2 (2G) ; 3 directions of X, Y, Z : 10times (IEC61131-2 complaints)			
Software	FvDesigner V1.6.42 or later versions				
Certification	CE , UL				