



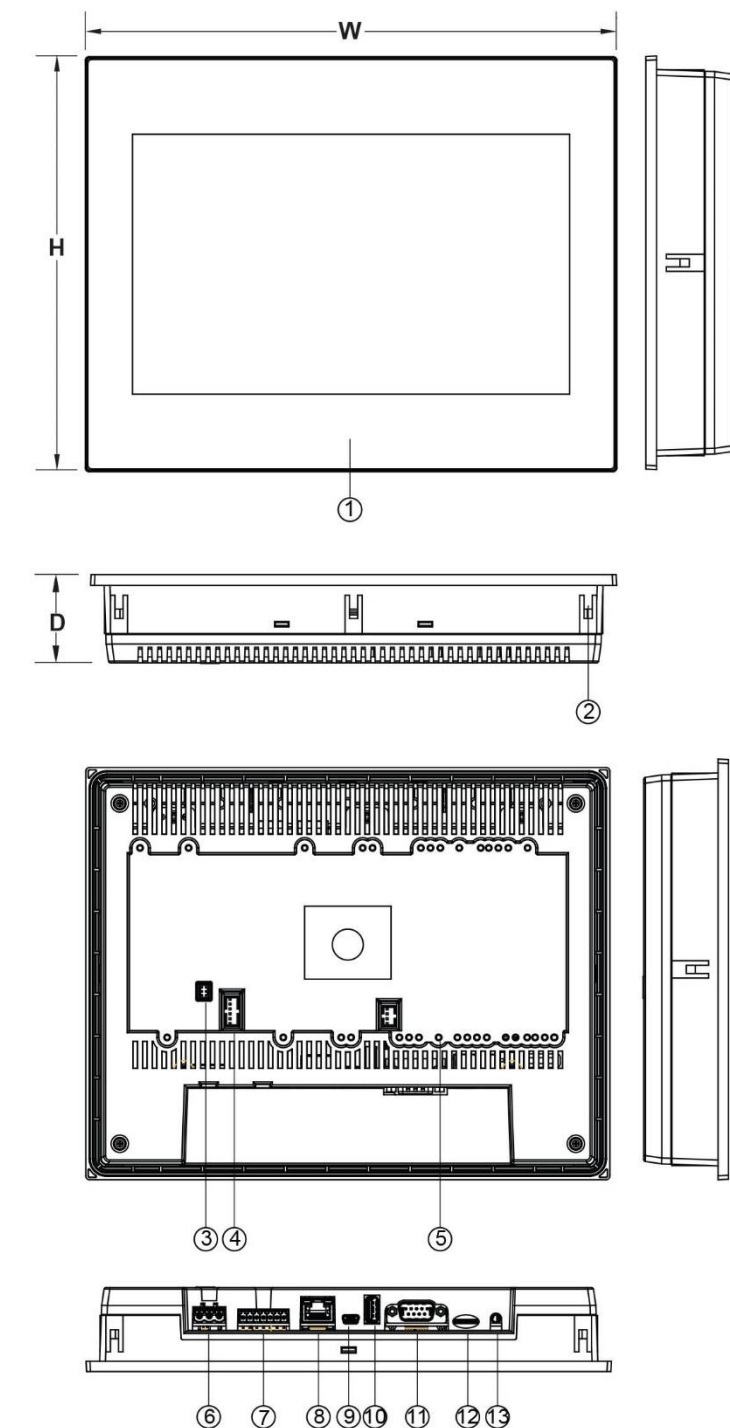
P5101ZA

HMI with 10.1" TFT LCD display

- ✧ Cortex 600 MHz Processor
- ✧ Built-in Power Isolation
- ✧ Built-in COM Port 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	10.1" TFT (16:9)	I/O Port	Serial 1 (DB-9)	RS-232 (2W)
	Panel Resolution	1024 x 600		Serial 2 (Terminal Blocks)	RS-422/485 (4W) RS-485 (2W)
	Brightness	300 (cd/m²)		RS-422/485 Isolation	—
	Contrast Ratio	450		Ethernet	10M / 100M
	Backlight Type	LED		USB HOST	USB2.0 x 1
	Backlight Life Time	25,000 Hrs		USB Device	USB2.0 x 1(Mini-USB)
	Colors	16.7M		Micro-SD Slot	Yes
	LCD Viewing Angle	50/20/55/55 (T/B/L/R)		Audio Output	Yes
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	128MB		HMI Extension	Yes
System	CPU	32 bit RISC Cortex 600MHz	Power	Wireless Module	Yes
	RTC	Yes		Power Input Range	14 ~ 32VDC
Dimension /Weight	Dimensions W x H x D	271.5 x 213.5 x 44.9 (mm)		Power Isolation	Yes
	Cut-out	259.5 x 201.5 (mm)		Isolation Resistance	Exceed 50MΩ at 500VDC
	Weight	1380 (g)	Power Consumption	12.02W (@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 V1.5.64 or later versions				
Certification	CE , UL				

◆ Dimensions Drawing



W	271.5 mm
H	213.5 mm
D	44.9 mm

①	Power Indicator Light
②	Mounting Hole
③	HB1 PLC Connector
④	COM3/COM4 Termination Switch
⑤	HB1 PLC Screw Hole
⑥	Power Connector
⑦	COM3/COM4: Pluggable Terminal Block
⑧	Ethernet RJ45 Connector
⑨	Mini USB Connector
⑩	USB Connector
⑪	COM1: DB-9 Male Connector*
⑫	Micro-SD Card Slot
⑬	Audio Phone Jack

*This series HMI do not support COM2.

DB-9 Male Connector	
脚位	COM1 [RS-232]
1	-
2	RX
3	TX
4	-
5	GND
6	-
7	RTS
8	CTS
9	-

Pluggable Terminal Block			
脚位	COM3 [RS-422]	COM3 [RS-485]	COM4 [RS-485]
1	-	-	DATA+
2	-	-	DATA-
3	GND	GND	GND
4	RX+	-	-
5	RX-	-	-
6	TX+	DATA+	-
7	TX-	DATA-	-