



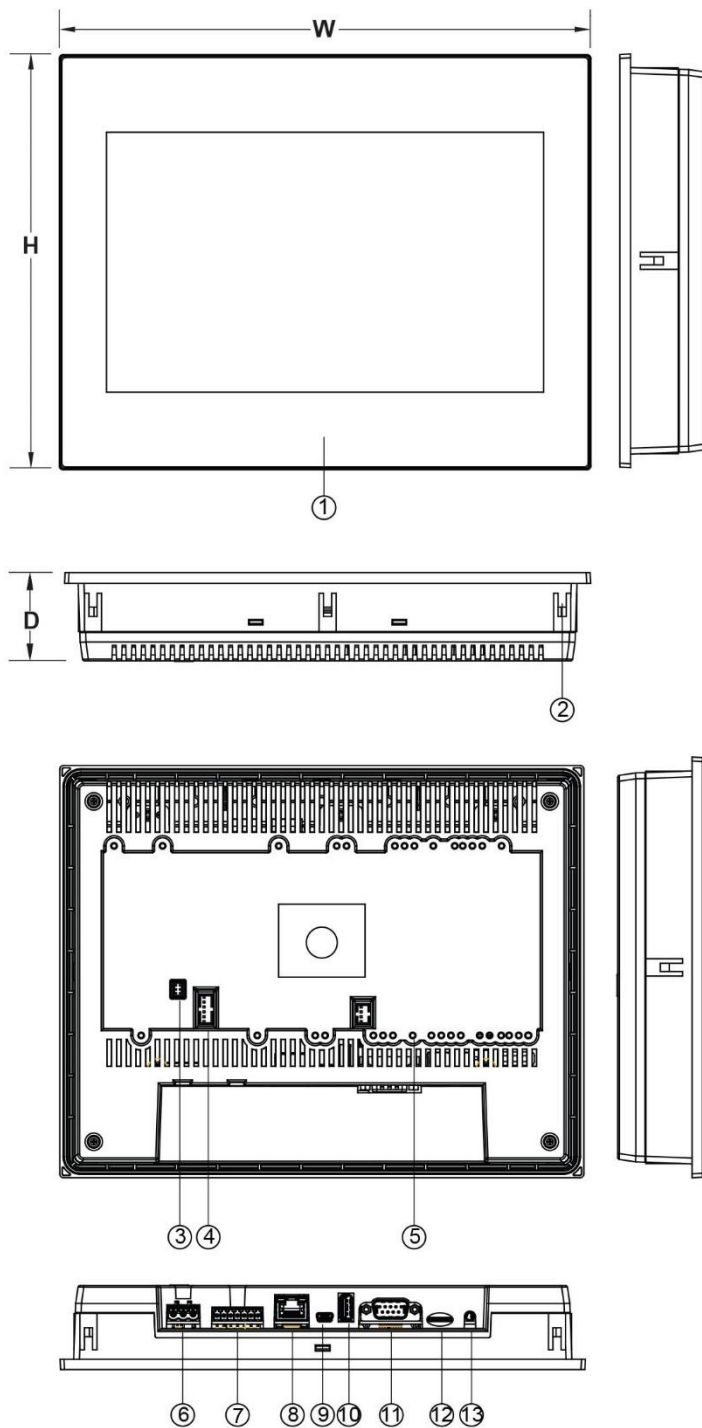
# P5101ZA

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/m <sup>2</sup> )		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	I/O Extension	Video Input	–	
	Accuracy	X axis ±2%; Y axis ±2%		Termination Switch	Yes	
Memory	Flash	256MB		PLC Extension	Yes	
	RAM	128MB		HMI Extension	Yes	
System	CPU	32 bit RISC Cortex 600MHz		Wireless Module	Yes	
	RTC	Yes		Power	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/s <sup>2</sup> (2G) ; 3 directions of X, Y, Z: 10times (IEC61131-2 complaints)				
Software	FvDesigner V1.5.64 or later versions					
Certification	CE , UL					

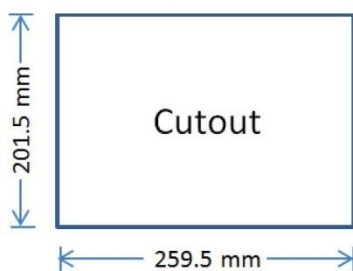
## ◆ Dimensions Drawing



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-	-