



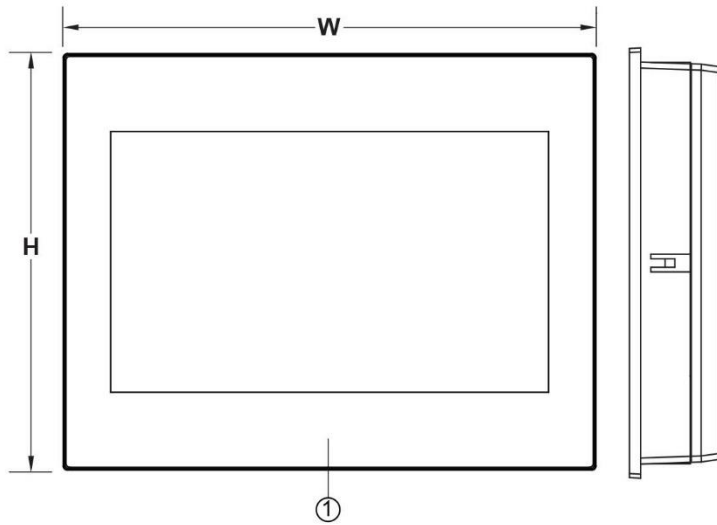
# P5101NA

HMI with 10.1" TFT LCD display

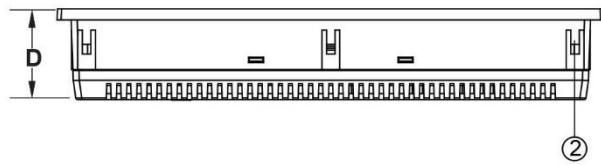
- ◇ Cortex 600 MHz Processor
- ◇ Built-in Power Isolation
- ◇ Built-in COM Port Isolation
- ◇ Built-in PLC Expansion function
- ◇ PCB coating for Stability in Harsh Environment
- ◇ Fan-less Design for Cooling Method
- ◇ High Noise Immunity Design for Industrial Application

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	–
	LCD Viewing Angle	50/20/55/55 (T/B/L/R)		Audio Output	–
Touch	Type	4-wire Resistive Type	I/O Extension	Video Input	–
	Accuracy	X axis±2%; Y axis±2%		Termination Switch	Yes
Memory	Flash	256MB	Power	PLC Extension	Yes
	RAM	128MB		HMI Extension	Yes
System	CPU	32 bit RISC Cortex 600MHz	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	1360 (g)	Power Consumption	11.52W (@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				

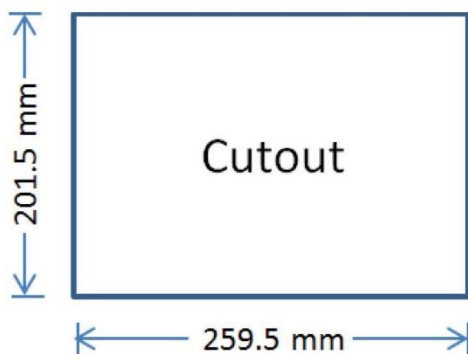
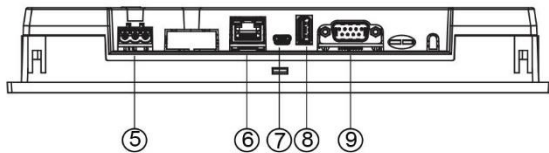
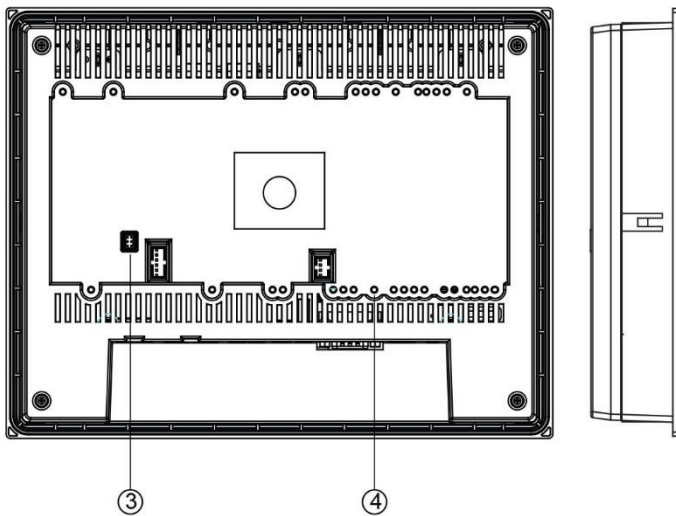
## ◆ Dimensions Drawing



W	271.5 mm
H	213.5 mm
D	44.9 mm



①	Power Indicator Light
②	Mounting Hole
③	HB1 PLC Connector
④	HB1 PLC Screw Hole
⑤	Power Connector
⑥	Ethernet RJ45 Connector
⑦	Mini USB Connector
⑧	USB Connector
⑨	COM1/COM2/COM3 DB-9 Male Connector



DB-9 Male Connector				
PIN	COM1 [RS-232]	COM2 [RS-422]	COM2 [RS-485]	COM3 [RS-485]
1	-	TX+	DATA+	-
2	RX	-	-	-
3	TX	-	-	-
4	-	RX+	-	-
5	GND	GND	GND	GND
6	-	TX-	DATA-	-
7	-	-	-	DATA+
8	-	-	-	DATA-
9	-	RX-	-	-