



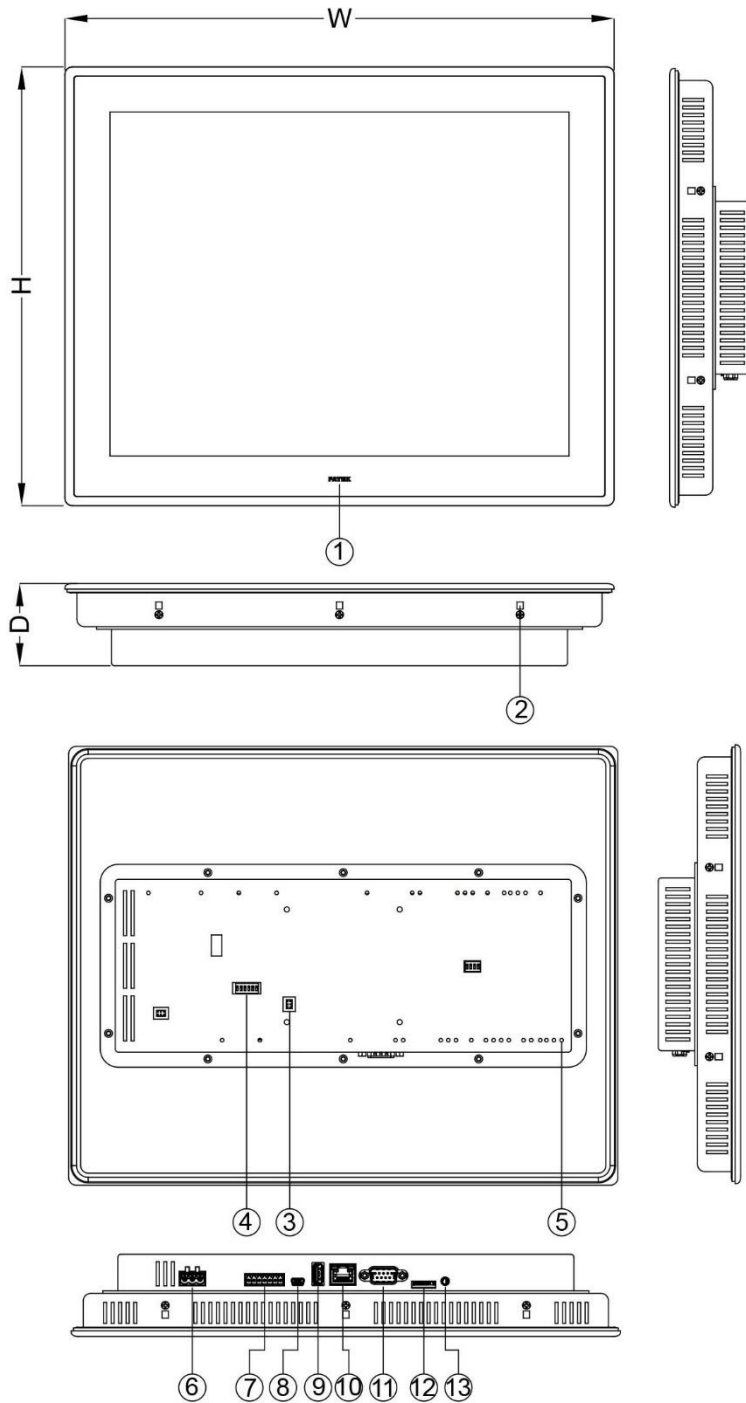
P5150NH

HMI with 15" 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

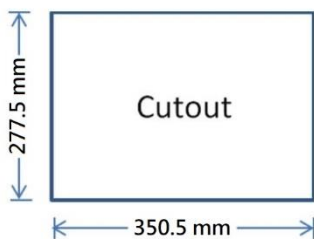
Display	Panel Size	15" TFT (4:3)	I/O Port	Serial 1 (DB-9)	RS-232 (4W)
	Panel Resolution	1024 x 768		Serial 2 (Terminal Blocks)	RS-422/485 (4W) RS-485 (2W)
	Brightness	300 (cd/m ²)		RS-422/485 Isolation	–
	Contrast Ratio	700		Ethernet	10M / 100M
	Backlight Type	LED		USB HOST	USB2.0 x 1
	Backlight Life Time	50,000 Hrs		USB Device	USB2.0 x 1(Mini-USB)
	Colors	16.2M		Micro-SD Slot	Yes
	LCD Viewing Angle	70/70/80/80 (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	256MB		MPI Extension	Yes
System	CPU	32 bit RISC Cortex 1GHz		Wireless Extension	Yes
Power	Power Input Range	24VDC±20%	Dimension / Weight	Dimensions W x H x D	365 x 292 x 54.7 (mm)
	Power Isolation	Yes		Cut-out	350.5 x 277.5 (mm)
	Isolation Resistance	Exceed 50MΩ at 500VDC		Weight	2950 (g)
	Power Consumption	20W (@24VDC)	RTC	Yes	
Software	FvDesigner V1.5.40 or later versions				
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 ² (2G) ; 3 directions of X, Y, Z: 10times (IEC61131-2 complaints)			
Certification	CE , UL				

◆ Dimensions Drawing – P5150NH



W	365 mm
H	292 mm
D	54.7 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/COM 4: Pluggable Terminal Block
⑧	Mini USB Connector
⑨	USB Connector
⑩	Ethernet RJ45 Connector
⑪	COM1:DB-9 Male Connector
⑫	Micro-SD Card Slot
⑬	Audio Phone Jack



Pluggable Terminal Block			
PIN#	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-	-

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