



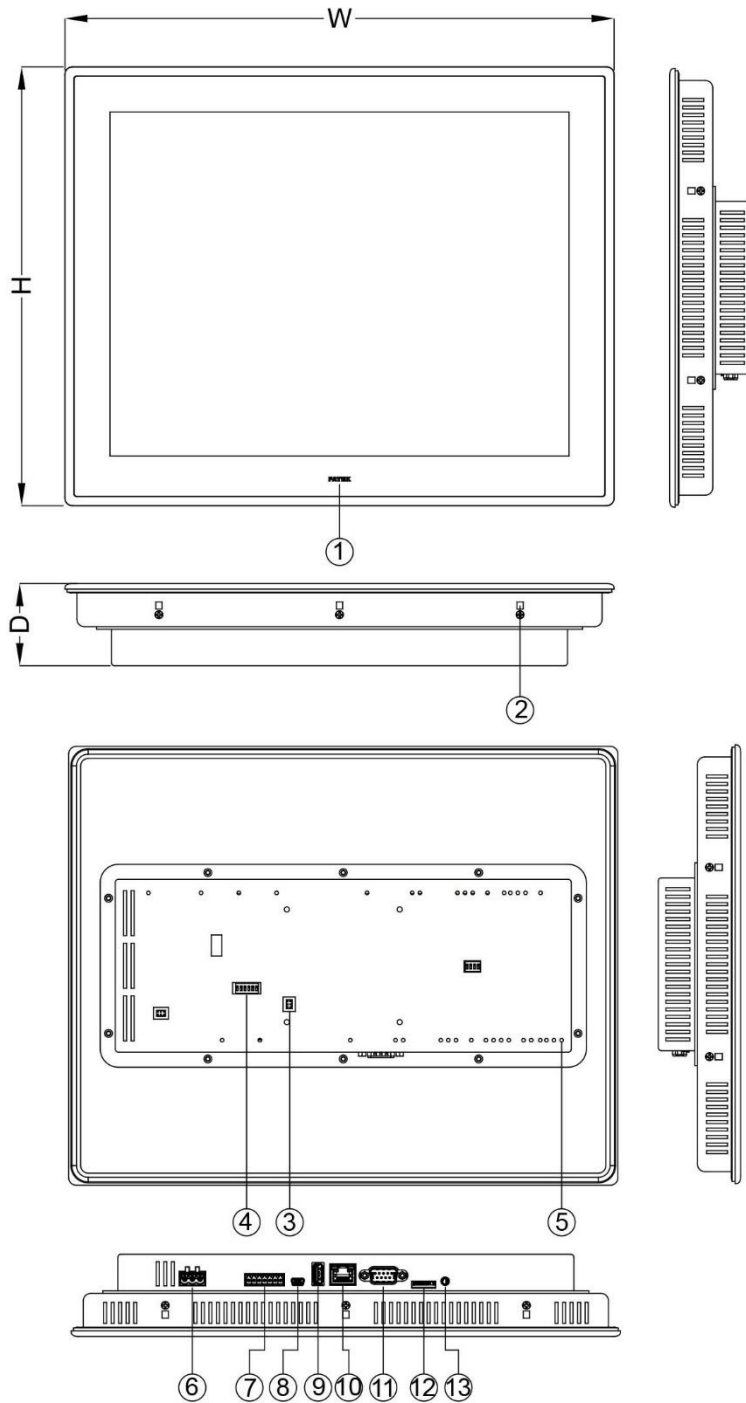
P5150NH

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

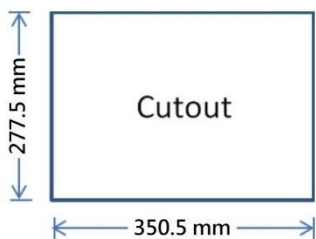
Display	Panel Size	15" TFT (4:3)	I/O Port	Serial 1 (DB-9)	RS-232 (4W)
	Panel Resolution	1024 x 768		Serial 2 (Terminal Blocks)	RS-422/485 (4W) RS-485 (2W)
	Brightness	300 (cd/m ²)		RS-422/485 Isolation	–
	Contrast Ratio	700		Ethernet	10M / 100M
	Backlight Type	LED		USB HOST	USB2.0 x 1
	Backlight Life 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	I/O Extension	Video Input	–
	Accuracy	X axis±2%; Y axis±2%		Termination Switch	Yes
Memory	Flash	256MB	Power	PLC Extension	Yes
	RAM	256MB		HMI Extension	Yes
System	CPU	32 bit RISC Cortex 1GHz		Wireless Module	Yes
	RTC	Yes	Power Input Range	24VDC±20%	
Dimension /Weight	Dimensions W x H x D	365 x 292 x 54.7 (mm)	Power	Power Isolation	Yes
	Cut-out	350.5 x 277.5 (mm)		Isolation Resistance	Exceed 50MΩ at 500VDC
	Weight	2950 (g)		Power Consumption	20W (@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 ² (2G) ; 3 directions of X, Y, Z: 10times (IEC61131-2 complaints)			
Software	FvDesigner V1.5.39 or later versions				
Certification	CE , UL				

◆ Dimensions Drawing



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	-