

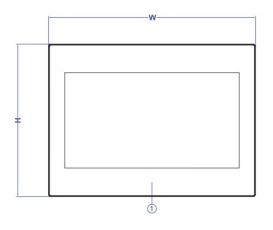
P5070SB

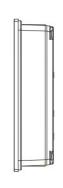
HMI with 7" TFT LCD display

- ♦ Cortex 600 MHz 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

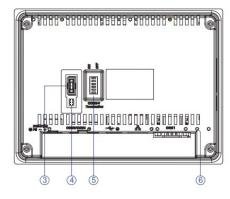
Display	Panel Size	7" TFT (16:9)	I/O Port	Serial 1 (DB-9)	RS-232 (2W)	
	Panel Resolution	800 x 480		Serial 2 (Terminal Blocks)	RS-422/485 (4W) RS-485 (2W)	
	Brightness	400 (cd/m²)		RS-422/485 Isolation	-	
	Contrast Ratio	500		Ethernet	-	
	Backlight Type	LED		USB HOST	USB2.0 x 1	
	Backlight Life Time	30,000 Hrs		USB Device	USB2.0 x 1(USB Type C)	
	Colors	16.7M		Micro-SD Slot	-	
	LCD Viewing Angle	70/50/70/70 (T/B/L/R)		Audio Output	_	
- .	Туре	4-wire Resistive Type		Video Input	_	
Touch	Accuracy	X axis±2%; Y axis±2%		Termination Switch	Yes	
Marrage	Flash	256MB	I/O Extension	PLC Extension	Yes	
Memory	RAM	128MB		HMI Extension	Yes	
Customs	CPU	32 bit RISC Cortex 600MHz		Wireless Module	Yes	
System	RTC	Yes	Power	Power Input Range	14 ~ 32VDC	
Dimension	Dimensions W x H x D	186.2 x 137.6 x 27.7 (mm)		Power Isolation	Yes	
Dimension	Cut-out	175.0 x 130.0 (mm)		Isolation Resistance	Exceed 50MΩ at 500VDC	
/Weight	Weight	465 (g)		Power Consumption	12.48W (@24VDC)	
	Protection Structure	Front panel : IP65 / Rear Case : IP20				
	PCB Coating	Yes				
	Operating Temp	0~50°C				
	Storage Temp	-20 ~ 60°C				
Environment	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 V1.5.81 or later versions					
Certification	CE, UL					

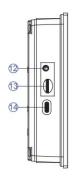
Dimensions Drawing

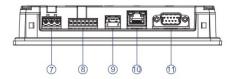






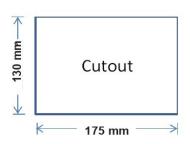






W	186.2 mm
Н	137.6 mm
D	27.7 mm

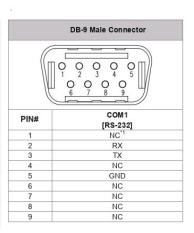
1	Power Indicator Light		
2	Fixing hole		
3	Expansion module connector		
4	HB1 P2C Connector		
5	COM3/COM4 Termination Switch		
6	HB1 PLC Screw Hole		
7	Power Terminal Block		
8	COM3/COM4 Pluggable Terminal Block		
9	USB Connector		
10	Ethernet RJ45 Connector (for Ethernet/ Multifunction model)		
11)	COM1:DB-9 Male Connector*		
12	Audio Phone Jack (for Multifunction model)		
13	Micro-SD Card Slot (for Multifunction model)		
14	TYPE C Connector		

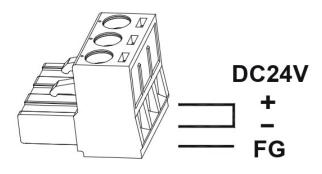


Pluggable Terminal Block								
\$17 \$27 \$37 \$47 \$57 \$67 \$77 O								
PIN#	COM3 [RS-422]	COM3 [RS-485]	COM4 [RS-485]					
1	NC	NC	DATA+					
2	NC	NC	DATA-					
3	GND	GND	GND					
4	RX+	NC	NC					
5	RX-	NC	NC					
6 TY ₊		DATA±	NC					

DATA-

TX-





- Be sure to connect the ground FG terminal to a class-3 ground (Ground resistance should not exceed 100Ω). Try to make the ground wire as short as possible.
- Use 22 14 AWG (0.6 1.5 mm²) wire for the power connections.

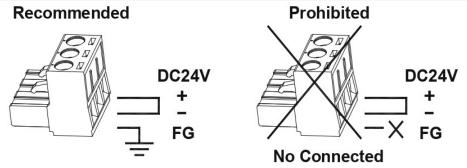


Please use solid wires between 22AWG and 14AWG. Maximum 300V and rated temperature to 105°C for input power pins.

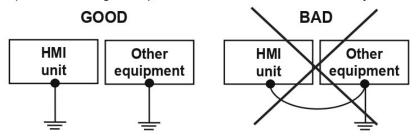


Caution

Make sure the HMI is properly grounded to prevent electrical shock, fire or malfunction.



HMI unit and other equipment should have the same electrical grounding (reference voltage level), otherwise communication errors may occur.



1.3 Operation

- Do not use sharp objects or excessive force to press the touch screen. This may damage the touch screen. Screen protector can be applied to the HMI screen to portect if from damage, for ordering information, please contact our sales department.
- Do not use the output signal of the device as any safety function or system emergency stop. It may result in personal injury or equipment damage if a malfunction of the touch occurs.

1.4 **Maintenance and Service**

- The agreed guarantee applies.
- Only qualified personnel should make repairs and perform maintenance.
- Disconnect the device from the power supply before carrying out cleaning or maintenance.
- Clean the front panel with a soft cloth and mild detergent.
- Please use original replacement spare parts or accessories.