

MT8071iP2

HMI with 7" TFT Display



Features

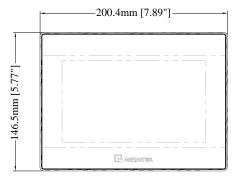
- Wide input voltage range: 10.5~28VDC
- 7" 800 x 480 TFT LCD, LED Backlight
- Fan-less Cooling System
- Built-in flash memory and RTC
- COM2 RS-485 2W supports MPI 187.5K
- NEMA4 / IP65 Compliant Front Panel
- Built-in power isolation

		Display	7" TFT LCD
		Resolution	800 x 480
		Brightness (cd/m ²)	300
		Contrast Ratio	500:1
	Display	Backlight Type	LED
		Backlight Life Time	>30,000 hrs.
		Colors	16.7M
		LCD Viewing Angle (T/B/L/R)	70/50/70/70
		Pixel Pitch (mm)	0.1926(H) x 0.179(V)
	Touch Panel	Туре	4-wire Resistive Type
	Touch Panel	Accuracy	Active Area Length(X)±2%, Width(Y)±2%
	Mamani	Flash	128 MB
	Memory	RAM	128 MB
	Processor		32-bit RISC 528MHz
		USB Host	USB 2.0 x 1
		USB Client	N/A
	I/O Port	Ethernet	10/100 Base-T x 1
	1/0 1 011	COM Port	COM1: RS-232 4W, COM2: RS-485 2W/4W
			Mark/Space parity mode is not supported.
		RS-485 Dual Isolation	N/A
	RTC		Built-in
		Input Power	10.5~28VDC
		Power Consumption	1A@12VDC; 450mA@24VDC
	Power	Power Isolation	Built-in Built-in
	Power	Voltage Resistance	500VAC (1 min.)
	Power	Voltage Resistance Isolation Resistance	500VAC (1 min.) Exceed 50MΩ at 500VDC
	Power	Voltage Resistance Isolation Resistance Vibration Endurance	500VAC (1 min.) Exceed 50MΩ at 500VDC 10 to 25Hz (X, Y, Z direction 2G 30 minutes)
	Power	Voltage Resistance Isolation Resistance Vibration Endurance PCB Coating	500VAC (1 min.) Exceed 50MΩ at 500VDC 10 to 25Hz (X, Y, Z direction 2G 30 minutes) N/A
	Power	Voltage Resistance Isolation Resistance Vibration Endurance PCB Coating Enclosure	500VAC (1 min.) Exceed 50MΩ at 500VDC 10 to 25Hz (X, Y, Z direction 2G 30 minutes) N/A Plastic
		Voltage Resistance Isolation Resistance Vibration Endurance PCB Coating Enclosure Dimensions WxHxD	500VAC (1 min.) Exceed 50MΩ at 500VDC 10 to 25Hz (X, Y, Z direction 2G 30 minutes) N/A Plastic 200.4 x 146.5 x 34 mm
	Power Specification	Voltage Resistance Isolation Resistance Vibration Endurance PCB Coating Enclosure Dimensions WxHxD Panel Cutout	500VAC (1 min.) Exceed 50MΩ at 500VDC 10 to 25Hz (X, Y, Z direction 2G 30 minutes) N/A Plastic 200.4 x 146.5 x 34 mm 192 x 138 mm
		Voltage Resistance Isolation Resistance Vibration Endurance PCB Coating Enclosure Dimensions WxHxD Panel Cutout Weight	500VAC (1 min.) Exceed 50MΩ at 500VDC 10 to 25Hz (X, Y, Z direction 2G 30 minutes) N/A Plastic 200.4 x 146.5 x 34 mm 192 x 138 mm Approx.0.52 kg
		Voltage Resistance Isolation Resistance Vibration Endurance PCB Coating Enclosure Dimensions WxHxD Panel Cutout Weight Mount	500VAC (1 min.) Exceed 50MΩ at 500VDC 10 to 25Hz (X, Y, Z direction 2G 30 minutes) N/A Plastic 200.4 x 146.5 x 34 mm 192 x 138 mm Approx.0.52 kg Panel mount
		Voltage Resistance Isolation Resistance Vibration Endurance PCB Coating Enclosure Dimensions WxHxD Panel Cutout Weight Mount Protection Structure	500VAC (1 min.) Exceed 50MΩ at 500VDC 10 to 25Hz (X, Y, Z direction 2G 30 minutes) N/A Plastic 200.4 x 146.5 x 34 mm 192 x 138 mm Approx.0.52 kg Panel mount NEMA4 / IP65 Compliant Front Panel
	Specification	Voltage Resistance Isolation Resistance Vibration Endurance PCB Coating Enclosure Dimensions WxHxD Panel Cutout Weight Mount Protection Structure Storage Temperature	500VAC (1 min.) Exceed 50MΩ at 500VDC 10 to 25Hz (X, Y, Z direction 2G 30 minutes) N/A Plastic 200.4 x 146.5 x 34 mm 192 x 138 mm Approx.0.52 kg Panel mount NEMA4 / IP65 Compliant Front Panel -20°~60°C (-4° ~ 140°F)
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	Specification Environment	Voltage Resistance Isolation Resistance Vibration Endurance PCB Coating Enclosure Dimensions WxHxD Panel Cutout Weight Mount Protection Structure Storage Temperature Operating Temperature Relative Humidity	500VAC (1 min.) Exceed 50MΩ at 500VDC 10 to 25Hz (X, Y, Z direction 2G 30 minutes) N/A Plastic 200.4 x 146.5 x 34 mm 192 x 138 mm Approx.0.52 kg Panel mount NEMA4 / IP65 Compliant Front Panel -20°~60°C (-4° ~ 140°F) 0° ~ 50°C (32° ~ 122°F) 10% ~ 90% (non-condensing)
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	Specification Environment	Voltage Resistance Isolation Resistance Vibration Endurance PCB Coating Enclosure Dimensions WxHxD Panel Cutout Weight Mount Protection Structure Storage Temperature Operating Temperature Relative Humidity	500VAC (1 min.) Exceed 50MΩ at 500VDC 10 to 25Hz (X, Y, Z direction 2G 30 minutes) N/A Plastic 200.4 x 146.5 x 34 mm 192 x 138 mm Approx.0.52 kg Panel mount NEMA4 / IP65 Compliant Front Panel -20°~60°C (-4° ~ 140°F) 0° ~ 50°C (32° ~ 122°F) 10% ~ 90% (non-condensing)

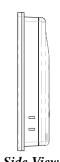


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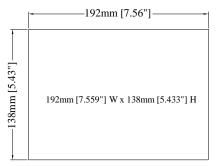
Dimensions



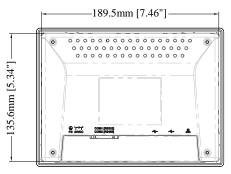
Front View



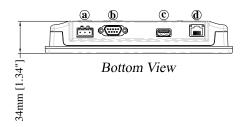
Side View



Cutout Dimensions



Rear View



Pin Assignement:

COM1 [RS232] / COM2 [RS485] 9 Pin, Male, D-sub

PIN#	COM1 [RS232]	COM2 [RS485]		
	4W	4W	2W	
1		Rx-	Data-	
2		Rx+	Data+	
3		Tx-		
4		Tx+		
5	GND			
6	TxD			
7	RTS			
8	CTS			
9	RxD			

	а	Power Connector	C	USB Host
	h	COM1 RS232 4W,	d	Ethernet
	D	COM2 RS485 2W/4W		

Contact: WEINTEK LABS., INC. TEL: +886-2-22286770 Web:www.weintek.com

MT8071iP2_Datasheet_ENG_20210705