MT8052iP

HMI with 4.3" TFT Display

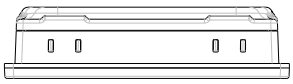


Features

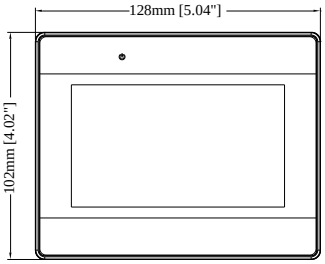
- 4.3" 480 x 272 TFT LCD, LED Backlight
- Slim design
- Fan-less Cooling System
- COM1 and COM3 RS-485 2W support MPI 187.5K, please use one at a time
- Built-in Power Isolator
- NEMA4 / IP65 Compliant Front Panel

Display	Display	4.3” TFT
	Resolution	480 x 272
	Brightness (cd/m^2)	400
	Contrast Ratio	500:1
	Backlight Type	LED
	Backlight Life Time	>30,000 hrs.
	Colors	16.7M
	LCD Viewing Angle (T/B/L/R)	50/70/70/70
	Pixel Pitch (mm)	0.198(H)x0.198(V)
Touch Panel	Type	4-wire Resistive Type
	Accuracy	Active Area Length(X)±2%, Width(Y)±2%
Memory	Flash	256 MB
	RAM	128 MB
Processor		Dual-core RISC
I/O Port	SD Card Slot	N/A
	USB Host	USB 2.0 x 1
	USB Client	N/A
	Ethernet	10/100 Base-T x 1
	COM Port	COM1: RS-232/RS-485 2W/4W, COM3: RS-485 2W
RTC		Built-in
Power	Input Power	24±20%VDC
	Power Isolation	Built-in
	Power Consumption	350mA@24VDC
	Voltage Resistance	500VAC (1 min.)
	Isolation Resistance	Exceed 50MΩ at 500VDC
Specification	PCB Coating	N/A
	Enclosure	Plastic
	Dimensions WxHxD	128 x 102 x 32 mm
	Panel Cutout	119 x 93 mm
	Weight	Approx. 0.25 kg
	Mount	Panel mount
Environment	Protection Structure	NEMA4 / IP65 Compliant Front Panel
	Storage Temperature	-20° ~ 60°C (-4° ~ 140°F)
	Operating Temperature	0° ~ 55°C (32° ~ 131°F)
	Relative Humidity	10% ~ 90% (non-condensing)
	Vibration Endurance	10 to 25Hz (X, Y, Z direction 2G 30 minutes)
Certificate	CE	CE marked
Software	EasyBuilder Pro	V6.08.01 or later versions
	Weincloud	EasyAccess 2.0 (Optional)

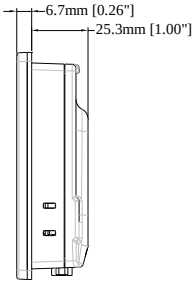
Dimensions Drawing



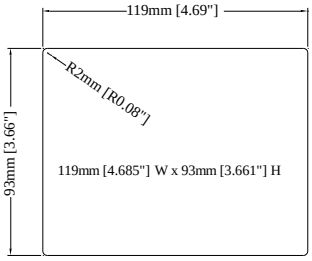
Top View



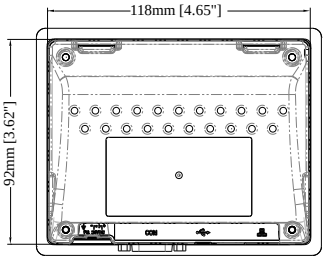
Front View



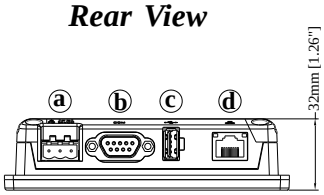
Side View



Cutout Dimensions



Rear View



Bottom View

a	Power Connector
b.	COM1: RS-232/RS-485 2W/4W COM3: RS-485 2W
c.	USB Host Port
d.	Ethernet Port

Pin Assignement:
COM1 [RS232] / [RS485], COM3 [RS485], 9 Pin, Male, D-sub

PIN#	COM1 [RS485]		COM1 [RS232] 2W	COM3 [RS485] 2W
	4W	2W		
1	Rx-	Data-		
2	Rx+	Data+		
3	Tx-			
4	TX+			
5	GND			
6			TxD	
7				Data-
8				Data+
9			RxD	

Ordering Information

❑ **MT8052iP:**
4.3" 480 x 272 TFT LCD HMI, 256 MB flash memory / 128 MB DDR RAM on board.

Optional:

❑ **RZACEA020:** EasyAccess 2.0 Activation Card

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