

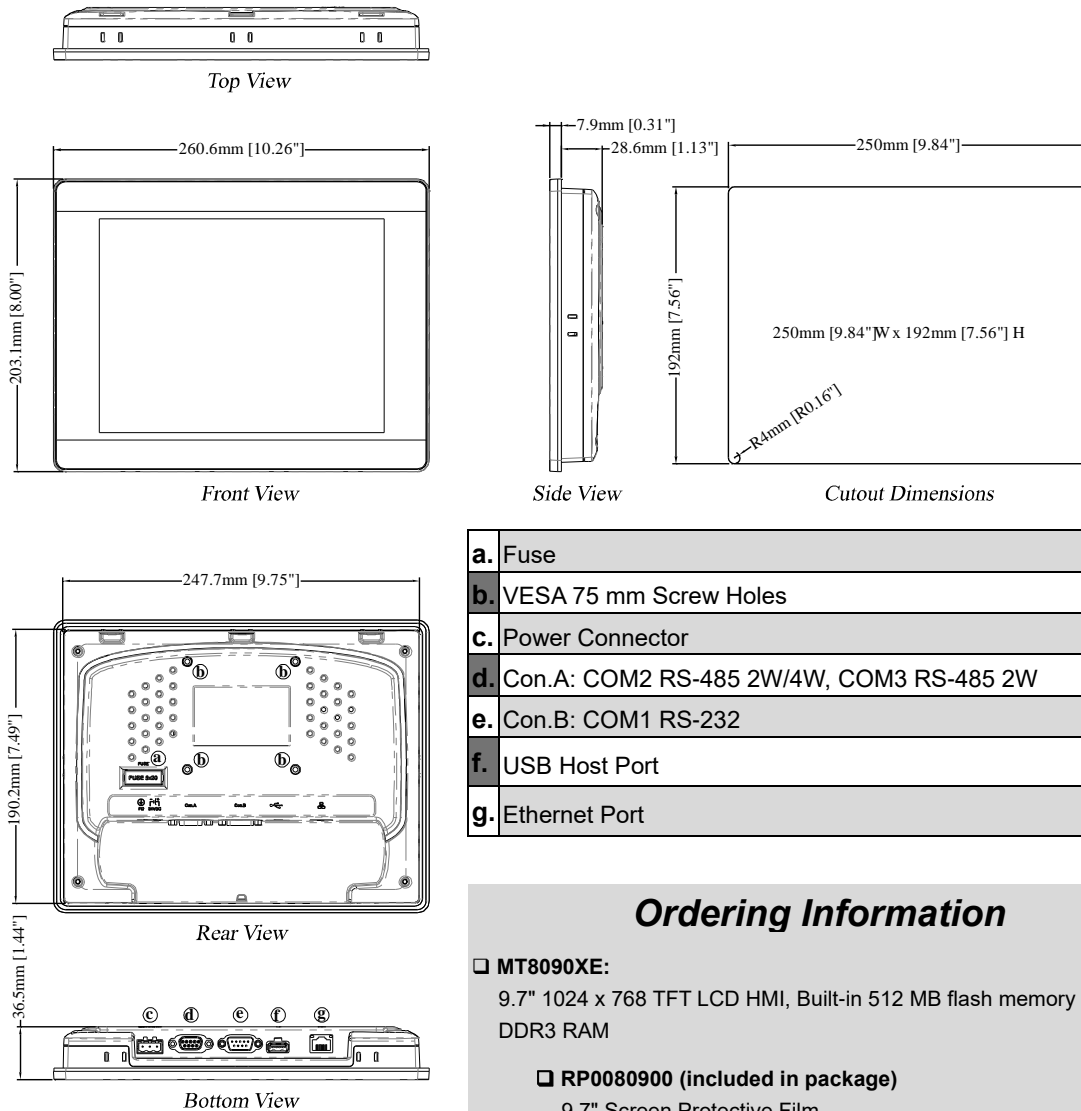


Feature

- 9.7" 1024 x 768 TFT LCD, LED Backlight
- Fan-less Cooling System
- Built-in 512 MB Flash Memory
- One USB Host Port
- COM2 and COM3 RS-485 2W support MPI 187.5K, please use one at one time
- Built-in Power Isolator
- NEMA4 / IP65 Compliant Front Panel

Display	Display	9.7" TFT	
	Resolution	1024 x 768	
	Brightness (cd/m ²)	350	
	Contrast Ratio	500:1	
	Backlight Type	LED	
	Backlight Life Time	>30,000 hrs.	
	Colors	262K	
	LCD Viewing Angle (T/B/L/R)	60/70/70/70	
Touch Panel	Type	4-wire Resistive Type	
	Accuracy	Active Area Length(X)±2%, Width(Y)±2%	
Memory	Flash	512 MB	
	RAM	256 MB	
Processor		32 bits RISC Cortex-A8 1GHz	
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	Con.A: COM2 RS-485 2W/4W, COM3 RS-485 2W Con.B: COM1 RS-232	
	RS-485 Dual Isolation	N/A	
	CAN Bus	N/A	
	HDMI	N/A	
	Audio Output	N/A (Supports USB Audio)	
	Video Input	N/A	
RTC		Built-in	
Power	Input Power	24±20%VDC	
	Power Isolation	Built-in	
	Power Consumption	500mA@24VDC	
	Voltage Resistance	500VAC (1 min.)	
	Isolation Resistance	Exceed 50MΩ at 500VDC	
	Vibration Endurance	10 to 25Hz (X, Y, Z direction 2G 30 minutes)	
Specification	PCB Coating	Yes	
	Enclosure	Plastic	
	Dimensions WxHxD	260.6 x 203.1 x 36.5 mm	
	Panel Cutout	250 x 192 mm	
	Weight	Approx. 0.85 kg	
Mount	Panel mount, VESA mount 75 x 75 mm		
Environment	Protection Structure	NEMA4 / IP65 Compliant Front Panel	
	Storage Temperature	-20° ~ 60°C (-4° ~ 140°F)	
	Operating Temperature	0° ~ 50°C (32° ~ 122°F)	
	Relative Humidity	10% ~ 90% (non-condensing)	
Certificate	CE	CE marked	
	ATEX	ATEX Zone 2/22 Category 3 G/D	
Software		EasyBuilder Pro V5.00.01 or later versions	

Dimensions



a.	Fuse
b.	VESA 75 mm Screw Holes
c.	Power Connector
d.	Con.A: COM2 RS-485 2W/4W, COM3 RS-485 2W
e.	Con.B: COM1 RS-232
f.	USB Host Port
g.	Ethernet Port

Ordering Information

- MT8090XE:**
9.7" 1024 x 768 TFT LCD HMI, Built-in 512 MB flash memory / 256 MB DDR3 RAM
- RP0080900 (included in package)**
9.7" Screen Protective Film

Pin Assignment:

Con.B: COM1 [RS232] 9 Pin, Male, D-sub

PIN#	COM1 [RS232]
1	
2	RxD
3	TxD
4	
5	GND
6	
7	RTS
8	CTS
9	

Con.A: COM2 / COM3 [RS485] 9 Pin, Female, D-sub

PIN#	COM2 [RS485]		COM3 [RS485]
	2W	4W	
1	Data-	Rx-	
2	Data+	Rx+	
3		Tx-	
4		Tx+	
5	GND		
6			Data-
7			
8			
9			Data+