



### 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

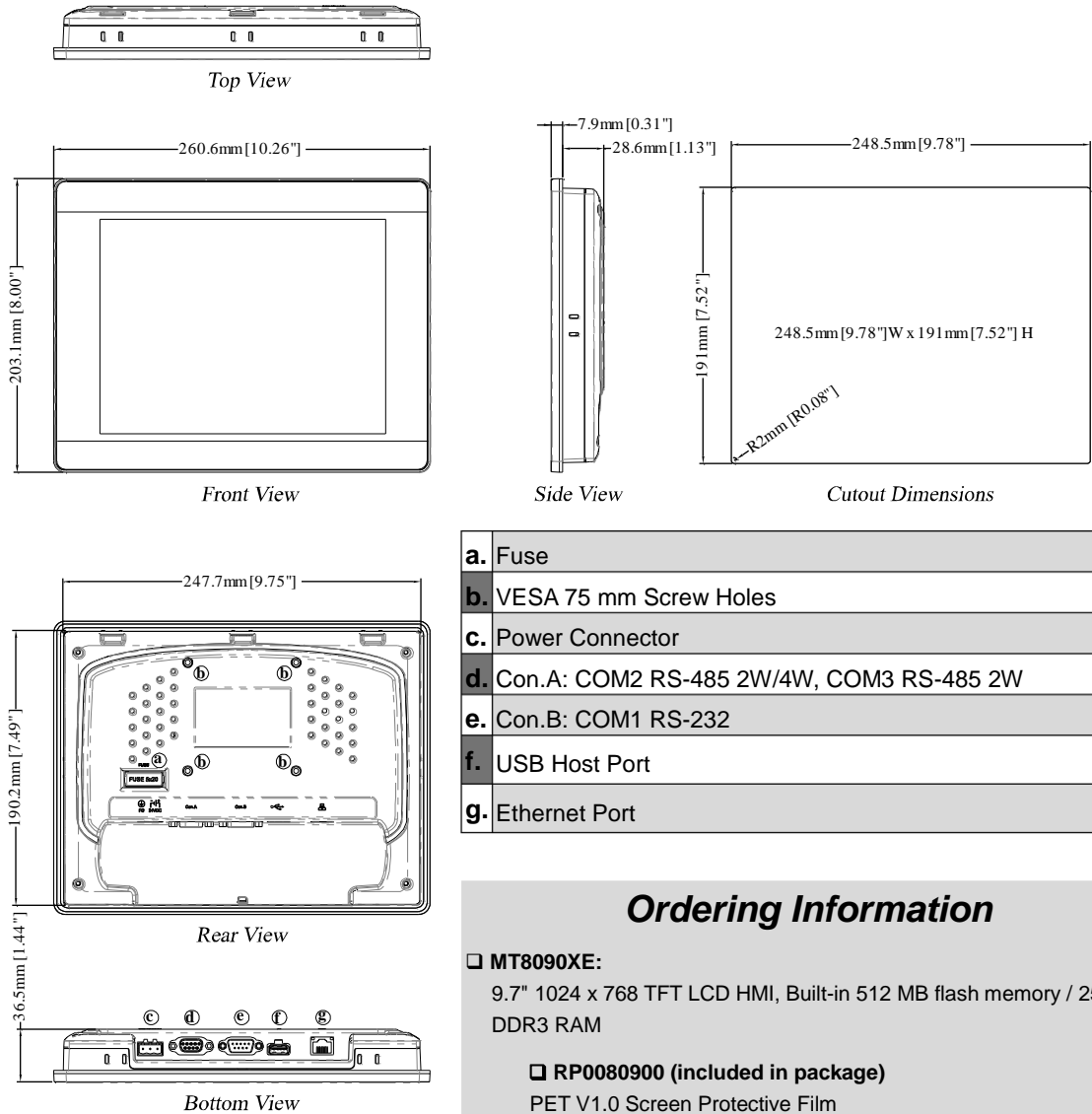
<b>Display</b>	Display	9.7" TFT
	Resolution	1024 x 768
	Brightness (cd/m <sup>2</sup> )	350
	Contrast Ratio	500:1
	Backlight Type	LED
	Backlight Life Time	>30,000 hrs.
	Colors	262K
<b>Touch Panel</b>	Type	4-wire Resistive Type
	Accuracy	Active Area Length(X)±2%, Width(Y)±2%
<b>Memory</b>	Flash	512 MB
	RAM	256 MB
<b>Processor</b>		32 bits RISC Cortex-A8 1GHz
<b>I/O Port</b>	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
	Video Input	N/A
<b>RTC</b>		Built-in
<b>Power</b>	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)
<b>Specification</b>	PCB Coating	Yes
	Enclosure	Plastic

	Dimensions WxHxD	260.6 x 203.1 x 36.5 mm
	Panel Cutout	248.5 x 191 mm
	Weight	Approx. 0.85 kg
	Mount	Panel mount, VESA mount 75 x 75 mm
<b>Environment</b>	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)
<b>Certificate</b>	CE	CE marked
	ATEX	ATEX Zone 2/22 Category 3 G/D
<b>Software</b>		EasyBuilder Pro V5.00.01 or later versions

## Software Features

Project Size	64MB
History Data Size	120MB
Embed Pictures in Project	✓
Embed PLC Tag Information in Project	✓
Project Protection	✓
Enhanced Security	✓
Recipe Database / View Database	✓
Operation Log / Operation View	✓
eMail	✓
VNC	✓
Media Player	✓
Audio Output	N/A
Video Input	N/A
USB CAM	✓
Flow Block	✓
Combo Button	✓
Circular Trend Display	✓
Picture View	✓
File Browser	✓
Recipe Import/Export	✓
CAN Bus	N/A
Download Project via USB Cable	N/A
Download Project via USB Disk	✓
Download Project via Ethernet	✓
User-Defined Boot Screen	✓
EasySystemSetting	✓

## Dimensions



- |           |  |
|-----------|--|
| <b>a.</b> | Fuse                                     |
| <b>b.</b> | VESA 75 mm Screw Holes                   |
| <b>c.</b> | Power Connector                          |
| <b>d.</b> | Con.A: COM2 RS-485 2W/4W, COM3 RS-485 2W |
| <b>e.</b> | Con.B: COM1 RS-232                       |
| <b>f.</b> | USB Host Port                            |
| <b>g.</b> | 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)**  
PET V1.0 Screen Protective Film

#### Pin Assignment:

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

PIN#	Symbol	COM1 [RS232]
1	Not used	
2	RxD	Received Data
3	TxD	Transmitted Data
4	Not used	
5	GND	Ground
6	Not used	
7	RTS	Ready to send output
8	CTS	Clear to send input
9	Not used	

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

PIN#	Symbol	COM2 [RS485]		COM3 [RS485]
		2W	4W	
1	Rx-	Data-	Rx-	
2	Rx+	Data+	Rx+	
3	Tx-		Tx-	
4	Tx+		Tx+	
5	GND	Ground		
6	Data-			Data-
7	Not used			
8	Not used			
9	Data+			Data+