



### Feature

- 9.7" 1024 x 768 TFT LCD, LED Backlight
- Fan-less Cooling System
- Built-in 512 MB Flash Memory
- Two Ethernet Ports
- One USB Host Port
- COM2 and COM3 RS-485 2W support MPI 187.5K, please use one at one time
- CAN Bus port supports CANopen Protocol
- Built-in Power Isolator
- NEMA4 / IP65 Compliant Front Panel
- Built-in EasyAccess 2.0 License

<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
	LCD Viewing Angle (T/B/L/R)	60/70/70/70
<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	10/100/1000 Base-T x 2
	COM Port	Con.A: COM2 RS-485 2W/4W, COM3 RS-485 2W Con.B: COM1 RS-232, COM3 RS-232*
	RS-485 Isolation	N/A
	CAN Bus	Yes
	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	650mA@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	250 x 192 mm
	Weight	Approx. 0.85 kg
	Mount	Panel mount, VESA mount 75 x 75 mm
<b>Environment</b>	Protection Structure	UL Type 4X (indoor use only) / 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
	UL	cULus Listed
<b>Software</b>		EasyBuilder Pro V5.02.01 or later versions

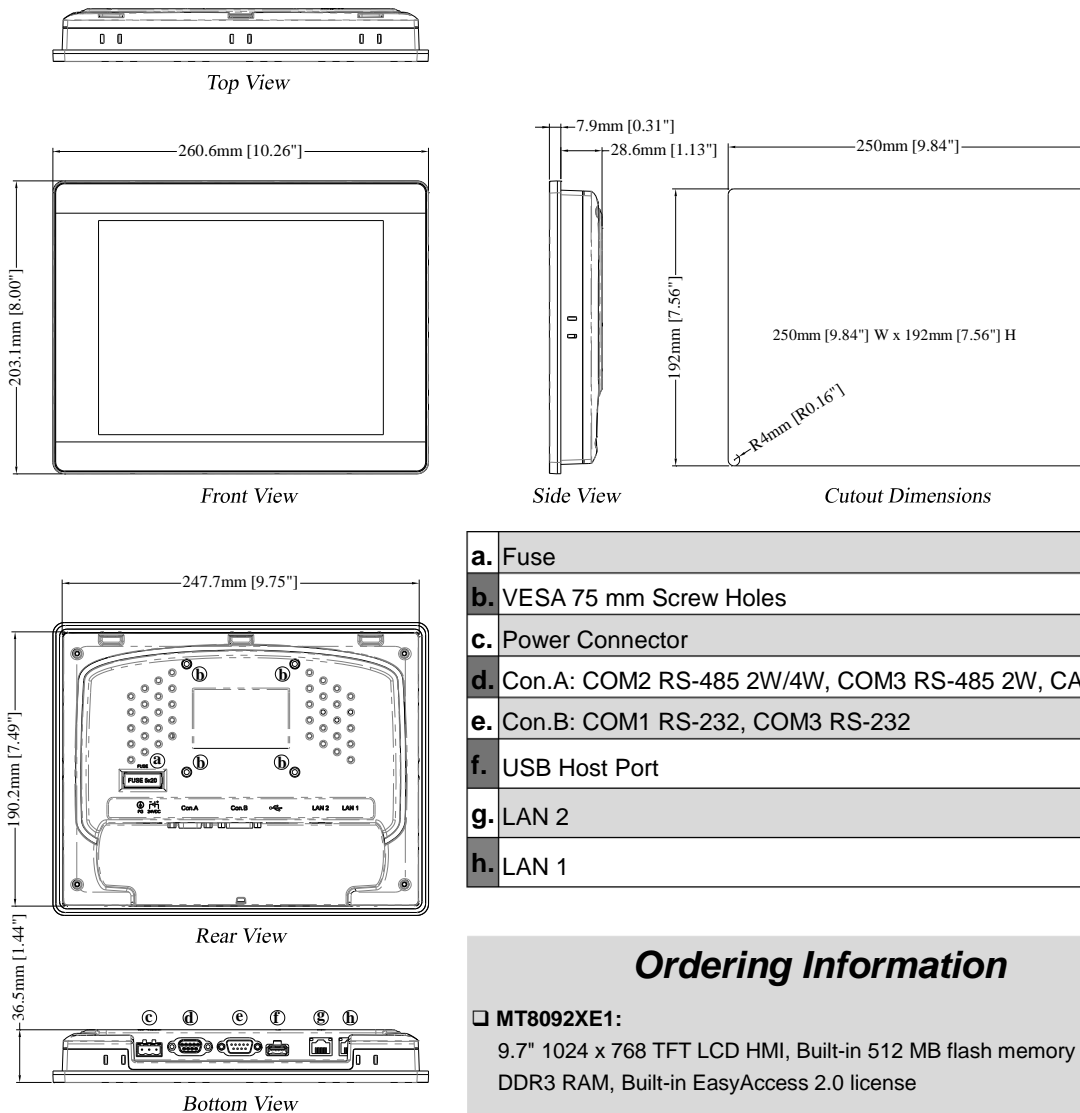
\*Only Tx & Rx (no RTS/CTS) may be used for COM1 RS-232 when COM3 RS-232 is also used.

\*Includes power consumption of USB device.

## 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	✓
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, CAN Bus
<b>e.</b>	Con.B: COM1 RS-232, COM3 RS-232
<b>f.</b>	USB Host Port
<b>g.</b>	LAN 2
<b>h.</b>	LAN 1

## Ordering Information

- **MT8092XE1:**  
9.7" 1024 x 768 TFT LCD HMI, Built-in 512 MB flash memory / 256 MB DDR3 RAM, Built-in EasyAccess 2.0 license
- **RP0080900 (included in package)**  
PET V1.0 Screen Protective Film

### Pin Assignment:

Con.B: COM1 / COM3 [RS232] 9 Pin, Male, D-sub

PIN#	COM1 [RS232]	COM3 [RS232]
1		
2	RxD	
3	TxD	
4		
5	GND	
6		
7	RTS	TxD
8	CTS	RxD
9		

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

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