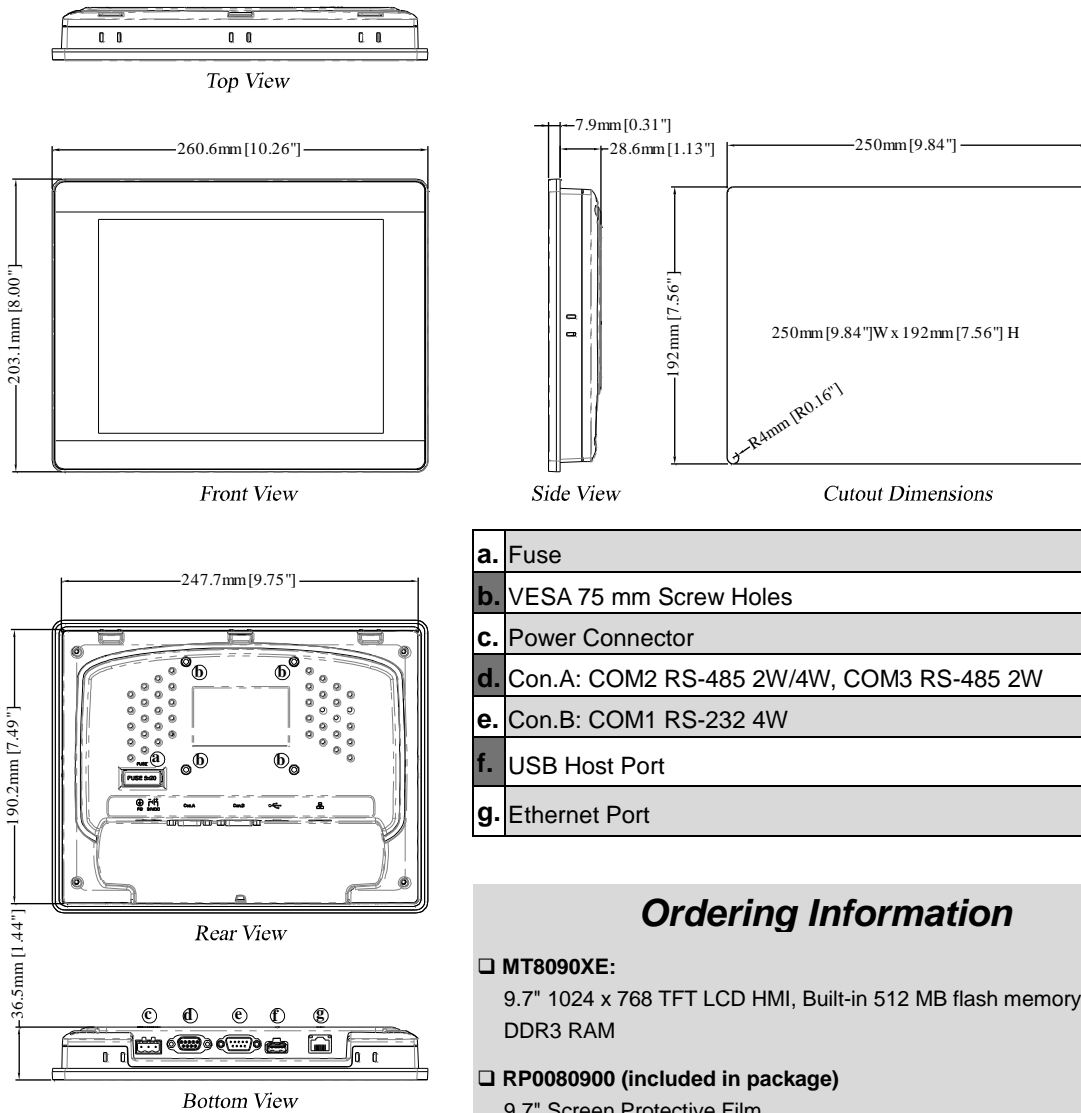# WEINTEK

MT8090XE

HMI with 9.7" TFT Display

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

Category	Item	Specification
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-bit RISC 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 4W
	RS-485 Dual Isolation	N/A
	CAN Bus	N/A
	HDMI	N/A
	Audio Output	N/A (Supports USB Audio)
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
	Weincloud	EasyAccess 2.0 (Optional)

Dimensions

Top View

Front View

260.6mm [10.26"]

203.1mm [8.00"]

Side View

7.9mm [0.31"]
28.6mm [1.13"]

192mm [7.56"]

Cutout Dimensions

250mm [9.84"]

250mm [9.84"]W x 192mm [7.56"] H

R4mm [R0.16"]

Rear View

247.7mm [9.75"]

190.2mm [7.49"]

Bottom View

36.5mm [1.44"]

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 4W
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

Optional:

❑ **RZACEA020:** EasyAccess 2.0 Activation Card

Pin Assignment:

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

PIN#	COM1 [RS232] 4W
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] 2W	COM2 [RS485] 4W	COM3 [RS485] 2W
1	Data-	Rx-	
2	Data+	Rx+	
3		Tx-	
4		Tx+	
5	GND		
6			Data-
7			
8			
9			Data+