



Feature

- 9.7" 1024x768 TFT LCD, LED Backlight
- Fan-less Cooling System
- Built-in 512MB Flash Memory
- One USB Host Port
- COM2 and COM3 RS485 support MPI 187.5K, please use one at one time
- Built-in Power Isolator
- NEMA4/IP65 Compliant Front Panel

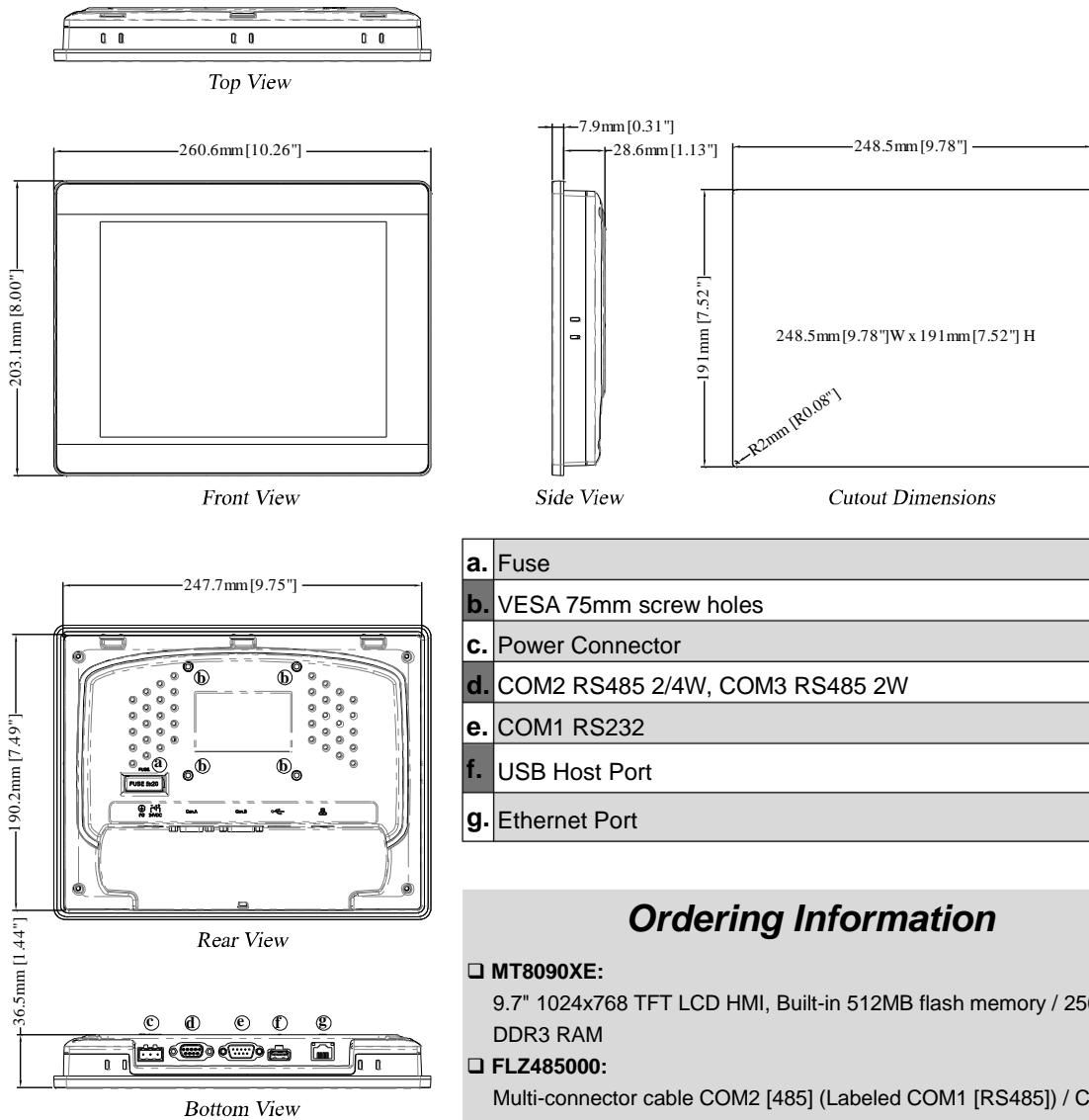
Display	Display	9.7" TFT LCD
	Resolution (WxH dots)	1024x768
	Brightness (cd/m ²)	350
	Contrast Ratio	500:1
	Backlight Type	LED
	Backlight Life Time	>30,000 hrs.
	Colors	262K
Touch Panel	Type	4-wire Resistive Type
	Accuracy	Active Area Length(X)±2%, Width(Y)±2%
Memory	Flash	512 MB
	RAM	256 MB
Processor		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	RJ45 port (10/100 Base-T) x 1
	COM Port	COM1:RS-232, COM2:RS-485 2W/4W, COM3:RS-485 2W
	Audio Output	N/A
	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 @ 500VDC
	Vibration Endurance	10 to 25Hz(X,Y,Z direction 2G 30 minutes)
Specification	Enclosure	Plastic
	Dimensions WxHxD	260.6 x 203.1 x 36.5mm
	Panel Cutout	248.5 x 191 mm
	Weight	Approx.0.85 kg
Environment	Protection Structure	NEMA4 / UL Type 4X / IP65
	Storage Temperature	-20°~60°C (-4° ~ 140°F)

	Operating Temperature	0° ~ 50°C (32° ~ 122°F)
	Relative Humidity	10% ~ 90% (non-condensing)
	PCB Coating	Yes
Certificate	CE	CE marked
Software		EasyBuilder Pro V5.00.01 or later versions

Software Features

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

Dimensions



a.	Fuse
b.	VESA 75mm screw holes
c.	Power Connector
d.	COM2 RS485 2/4W, COM3 RS485 2W
e.	COM1 RS232
f.	USB Host Port
g.	Ethernet Port

Ordering Information

- MT8090XE:**
 9.7" 1024x768 TFT LCD HMI, Built-in 512MB flash memory / 256MB DDR3 RAM
- FLZ485000:**
 Multi-connector cable COM2 [485] (Labeled COM1 [RS485]) / COM3 [485] / CAN Bus

Pin Assignment:

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	

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+