

Panel PC with 7" TFT Display

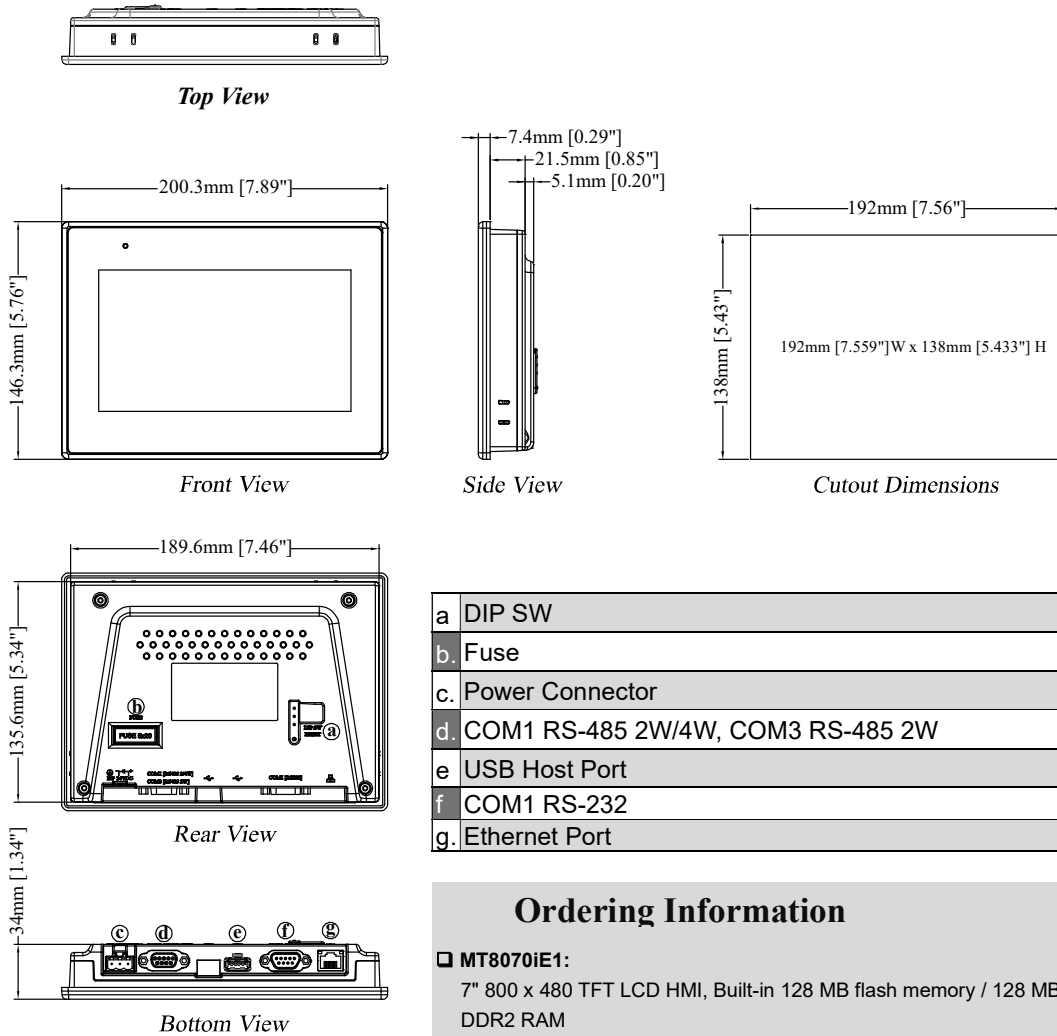


◆ Features

- **Hazardous UL Class I Div 2**
- 7" 800 x 480 TFT LCD, LED Backlight
- Fan-less Cooling System
- COM1 and COM3 RS-485 dual isolation design ensures reliable operation in complex grounding application
- COM1 and COM3 RS-485 2W support MPI 187.5K, please use one at one time
- PCB coating process ensures high reliability to resist from corrosion in harsh environment
- NEMA4 / IP65 Compliant Front Panel

Display	Display	7" TFT
	Resolution	800 x 480
	Brightness (cd/m ²)	400
	Contrast Ratio	500:1
	Backlight Type	LED
	Backlight Life Time	>30,000 hrs.
	Colors	16.7M
	LCD Viewing Angle (T/B/L/R)	70/60/70/70
Touch Panel	Type	4-wire Resistive Type
	Accuracy	Active Area Length(X)±2%, Width(Y)±2%
Memory	Flash	128 MB
	RAM	128 MB
Processor		32 bits RISC Cortex-A8 600MHz
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	COM1: RS-232/RS-485 2W/4W COM3: RS-485 2W
	RS-485 Dual Isolation	Yes
	CAN Bus	N/A
	HDMI	N/A
	Audio Output	N/A
	Video Input	N/A
RTC		Built-in
Power	Input Power	24±20% VDC
	Power Isolation	N/A
	Power Consumption	350mA@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	200.3 x 146.3 x 34 mm
	Panel Cutout	192 x 138 mm
	Weight	Approx. 0.6 kg
	Mount	Panel mount
Environment	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)
Certificate	CE	CE marked
	UL	cULus Listed – Class I Div 2
Software		EasyBuilder Pro V3.00.01 or later versions

Dimensions Drawing



a	DIP SW
b	Fuse
c	Power Connector
d	COM1 RS-485 2W/4W, COM3 RS-485 2W
e	USB Host Port
f	COM1 RS-232
g	Ethernet Port

Ordering Information

MT8070iE1:
7" 800 x 480 TFT LCD HMI, Built-in 128 MB flash memory / 128 MB DDR2 RAM

PIN Assignment COM1 RS232, 9 Pin, Male, D-sub

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

COM1/3 RS485, 9 Pin, Female, D-sub

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