

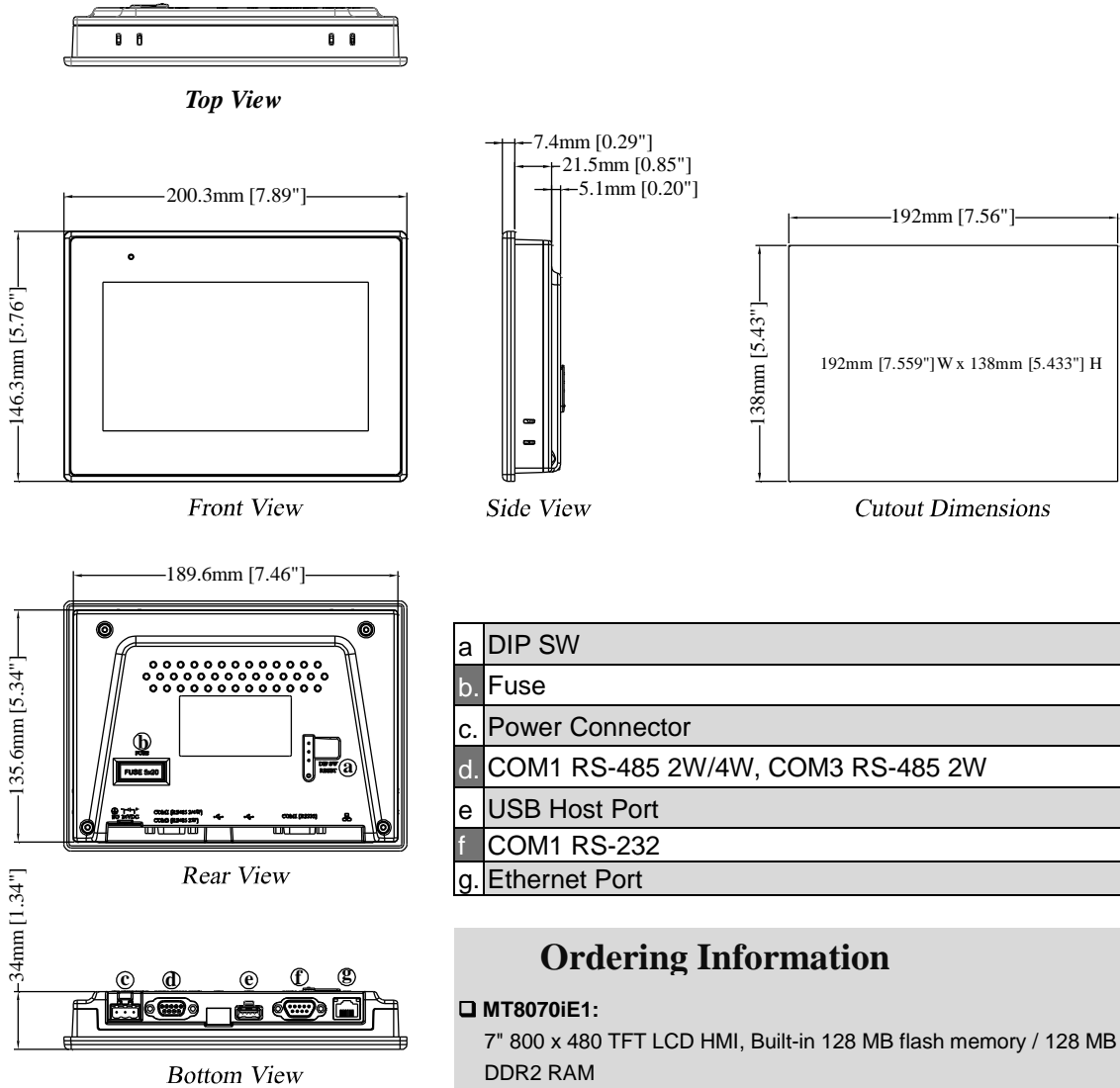


### ◆ Features

- 7" 800 x 480 TFT LCD, LED Backlight
- Slim design
- 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

<b>Display</b>	Display	7" TFT
	Resolution	800 x 480
	Brightness (cd/m <sup>2</sup> )	400
	Contrast Ratio	800:1
	Backlight Type	LED
	Backlight Life Time	>30,000 hrs.
	Colors	16.7M
	LCD Viewing Angle (T/B/L/R)	80/60/80/80
<b>Touch Panel</b>	Type	4-wire Resistive Type
	Accuracy	Active Area Length(X)±2%, Width(Y)±2%
<b>Memory</b>	Flash	128 MB
	RAM	128 MB
<b>Processor</b>		32-bit RISC 600MHz
<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	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	
<b>RTC</b>		Built-in
<b>Power</b>	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)
<b>Specification</b>	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
<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
	UL	cULus Listed
<b>Software</b>	EasyBuilder Pro	V3.00.01 or later versions
	Weincloud	EasyAccess 2.0 (Optional)

## 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
- RZUSK7010 (included in package)**  
USB Clamp & Tying Strap

Optional:

- RZACEA020:** EasyAccess 2.0 Activation Card

### 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)