

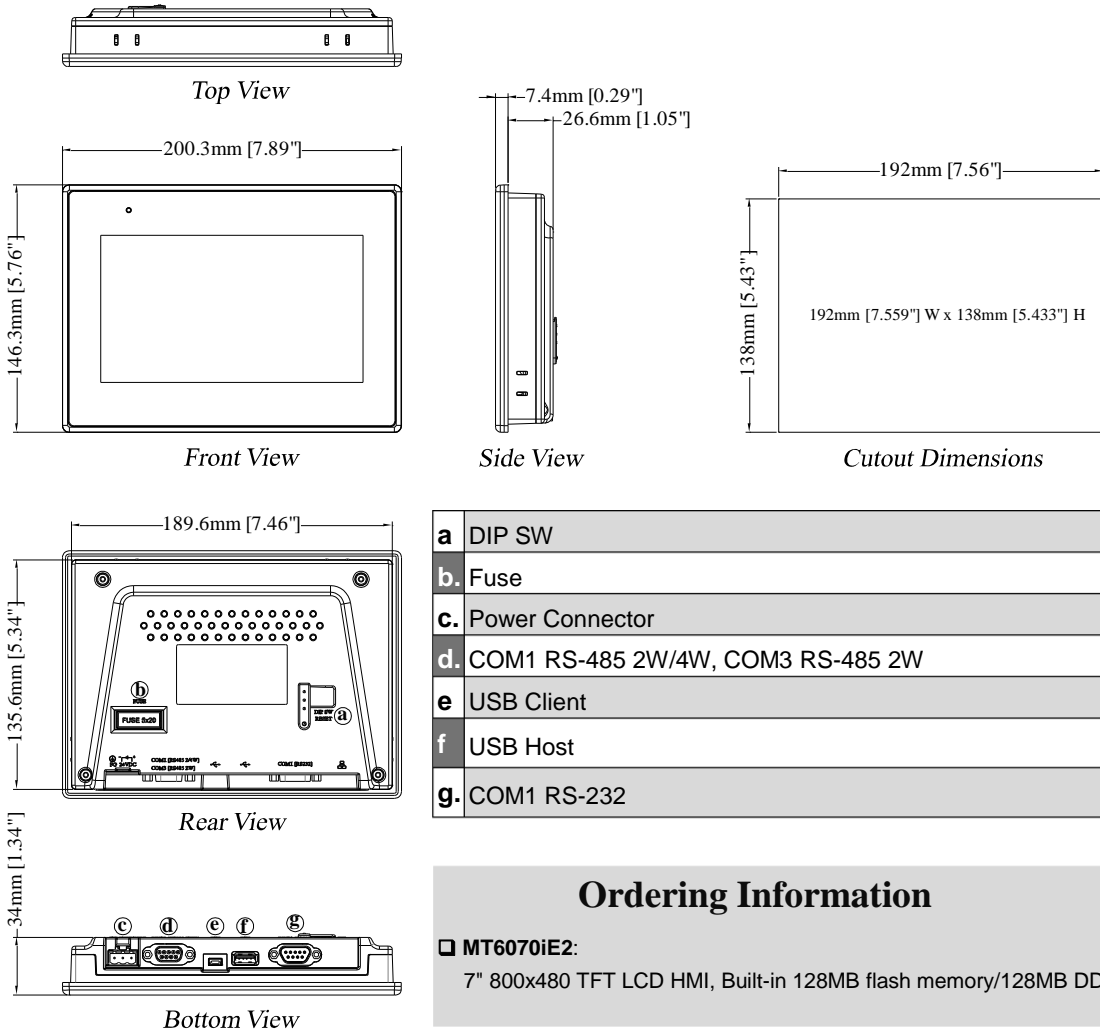


### Features

- 7" 800 x 480 TFT LCD, LED Backlight
- Fan-less Cooling System
- USB Client Port for downloading projects.
- COM1 and COM3 RS-485 2W support MPI 187.5K, please use one at one time
- Built-in Power Isolation
- NEMA4 / IP65 Compliant Front Panel

<b>Display</b>	Display	7" TFT
	Resolution	800 x 480
	Brightness (cd/m <sup>2</sup> )	400
	Contrast Ratio	500:1
	Backlight Type	LED
	Backlight Life Time	>30,000 hrs.
	Colors	16.7M
	LCD Viewing Angle (T/B/L/R)	70/50/70/70
<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 bits RISC Cortex-A8 600MHz
<b>I/O Port</b>	USB Host	USB 2.0 x 1
	USB Client	USB 2.0 x 1
	Ethernet	N/A
	COM Port	COM1: RS-232/RS-485 2W/4W, COM3:RS-485 2W
<b>RTC</b>		Built-in
<b>Power</b>	Input Power	24±20%VDC
	Power Isolation	Built-in
	Power Consumption	350mA@24VDC
	Voltage Resistance	500VAC (1 min.)
	Isolation Resistance	Exceed 50MΩ @ 500VDC
	Vibration Endurance	10 to 25Hz (X, Y, Z direction 2G 30 minutes)
<b>Specification</b>	PCB Coating	N/A
	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	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 Software</b>	CE	CE marked
		EasyBuilder Pro V4.10.04 or later versions

## Dimensions



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

### Ordering Information

**MT6070iE2:**  
7" 800x480 TFT LCD HMI, Built-in 128MB flash memory/128MB 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 / COM3 [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)