WEINTEK × KEP

MT8070iE

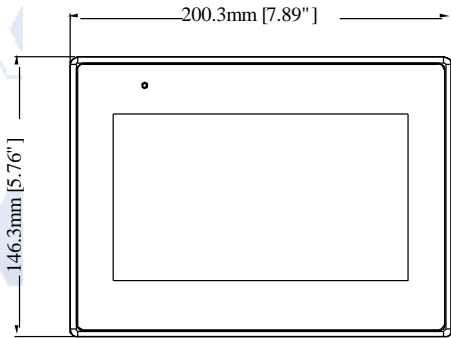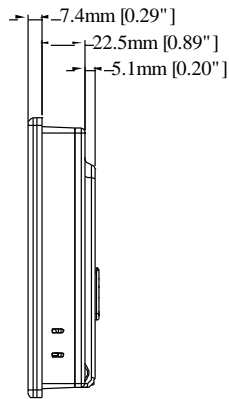## Panel PC with 7" TFT Display

◆ 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

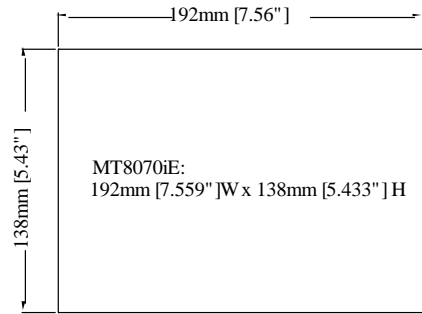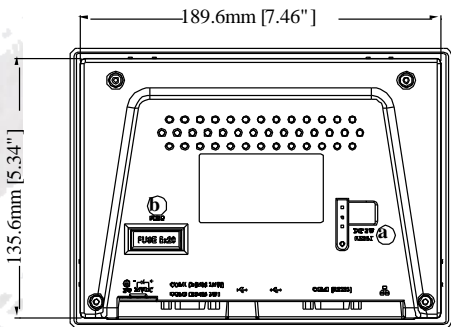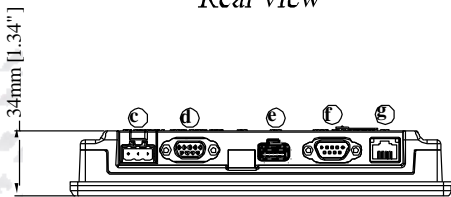| Category	Item	Value
Display	Display	7" TFT
	Resolution	800 x 480
	Brightness (cd/m^2)	350
	Contrast Ratio	500:1
	Backlight Type	LED
	Backlight Life Time	>30,000 hrs.
	Colors	16M
Touch Panel	Type	4-wire Resistive Type
	Accuracy	Active Area Length(X)±2%, Width(Y)±2%
Memory	Flash	128 MB
	RAM	128 MB
Processor		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
Software		EasyBuilder Pro V3.00.01 or later versions

Dimensions Drawing

Front View

200.3mm [7.89"]
146.3mm [5.76"]

Side View

7.4mm [0.29"]
22.5mm [0.89"]
5.1mm [0.20"]

Cutout Dimensions

192mm [7.56"]
138mm [5.43"]

MT8070iE:
192mm [7.559"] W x 138mm [5.433"] H

Rear View

189.6mm [7.46"]
135.6mm [5.34"]

Bottom View

34mm [1.34"]

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

-DG: Add "-DG" to part number for Dark Gray panel

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	

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

PIN#	Symbol	COM1 [RS485] 2W	COM1 [RS485] 4W	COM3 [RS485]
1	Rx-	Data-	Rx-	
2	Rx+	Data+	Rx+	
3	Tx-		Tx-	
4	Tx+		Tx+	
5	GND	GND(COM1)		
6	Not used			
7	Data-			Data-
8	Data+			Data+
9	GND			GND(COM3)