WEINTEK × KEP

MT8050iE

## HMI with 4.3" TFT Display

◆ *Features*

- 4.3" 480 x 272 TFT LCD, LED Backlight
- Slim design
- Fan-less Cooling System
- 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 corrosive in harsh environment
- Built-in Power Isolator
- NEMA4 / IP65 Compliant Front Panel

Category	Item	Value
Display	Display	4.3" TFT
	Resolution	480 x 272
	Brightness (cd/m^2)	400
	Contrast Ratio	500:1
	Backlight Type	LED
	Backlight Life Time	>30,000 hrs.
	Colors	16.7M
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	N/A
	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	Built-in
	Power Consumption	300mA@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	128 x 102 x 32 mm
	Panel Cutout	119 x 93 mm
	Weight	Approx. 0.25 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 V4.00.01 or later versions

◆ Dimensions Drawing
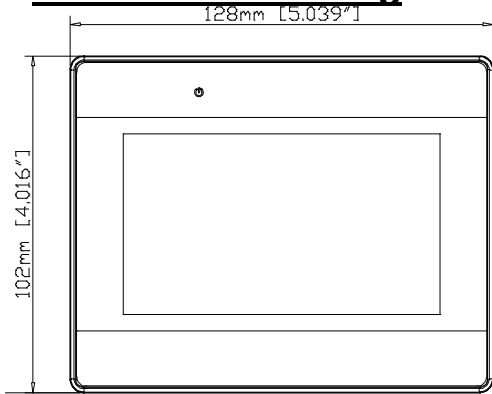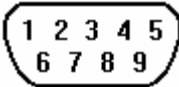

Front View

Bottom View

MT8050iE

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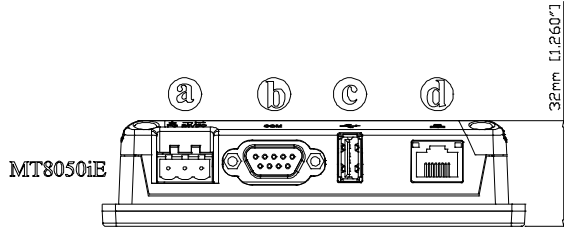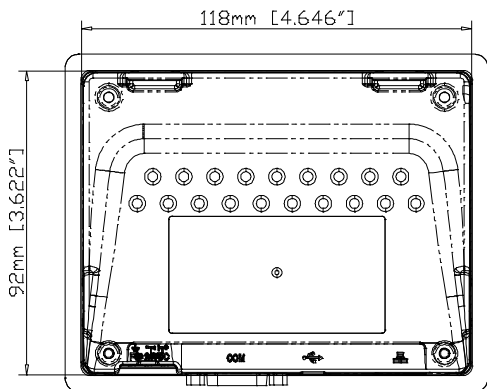
Rear View
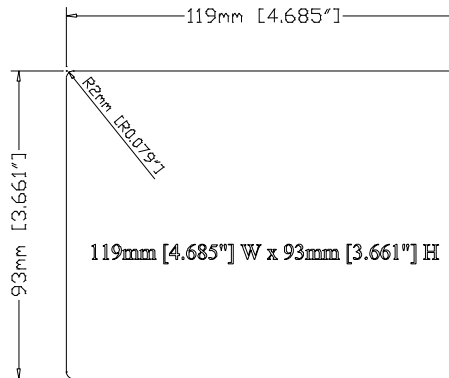
Cutout Dimensions

119mm [4.685"] W x 93mm [3.661"] H

Pin Designations

Pin assignment of the 9 Pin, Male, D-sub
COM1: RS-232/RS-485 2W/4W
COM3: RS-485 2W

		a	Power Connector
		b.	COM1: RS-232/RS-485 2W/4W COM3: RS-485 2W
		c.	USB Host Port
		d.	Ethernet Port

PIN#	Symbol	COM1 [RS485]		COM1 [RS232]	COM3 [RS485]
		4 wire	2 wire		
1	Rx-	Rx-	Data-		
2	Rx+	Rx+	Data+		
3	Tx-	Tx-			
4	TX+	TX+			
5	GND	GND			
6	TxD			Transmit	
7	Data-				Data-
8	Data+				Data+
9	RxD			Receive	

Ordering Information

❑ **MT8050iE:**
 4.3" TFT LCD HMI, 128 MB flash memory /
 128 MB DDR2 RAM on board.

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