WEINTEK

MT8101iE1

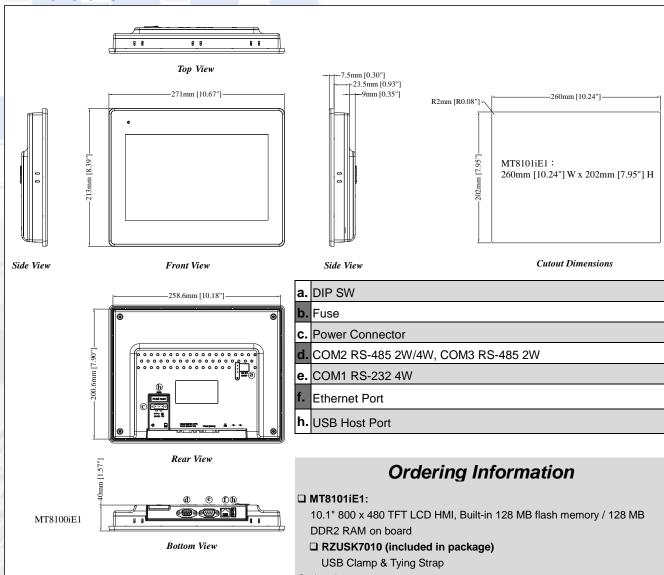## HMI with 10.1" TFT Display

Feature

- 10.1" 800 x 480 TFT LCD, LED Backlight
- Fan-less Cooling System
- COM2 and COM3 RS-485 support MPI 187.5K, please use one at one time
- PCB coating process ensures high reliability to resist from corrosion in harsh environment
- Built-in Power Isolation
- NEMA4 / IP65 Compliant Front Panel

Display	Display	10.1" TFT
	Resolution	800 x 480
	Brightness (cd/m^2)	300
	Contrast Ratio	500:1
	Backlight Type	LED
	Backlight Life Time	>30,000 hrs.
	Colors	262K
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-bit RISC 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 4W COM2: 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
RTC		Built-in
Power	Input Power	24±20%VDC
	Power Isolation	Built-in
	Power Consumption	400mA@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	271 x 213 x 40 mm
	Panel Cutout	260 x 202 mm
	Weight	Approx. 1.3 kg
	Mount	Panel mount
Environment	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)
Certificate	CE	CE marked
Software	EasyBuilder Pro	V4.10.04 or later versions
	Weincloud	EasyAccess 2.0 (Optional)

Dimensions

Top View

Side View

7.5mm [0.30"]
23.5mm [0.93"]
9mm [0.35"]

271mm [10.67"]

213mm [8.39"]

Front View

Side View

R2mm [R0.08"]

260mm [10.24"]

202mm [7.95"]

MT8101iE1：
260mm [10.24"] W x 202mm [7.95"] H

Cutout Dimensions

258.6mm [10.18"]

200.6mm [7.90"]

Rear View

40mm [1.57"]

MT8100iE1

Bottom View

a.	DIP SW
b.	Fuse
c.	Power Connector
d.	COM2 RS-485 2W/4W, COM3 RS-485 2W
e.	COM1 RS-232 4W
f.	Ethernet Port
h.	USB Host Port

Ordering Information

❑ **MT8101iE1:**
   10.1" 800 x 480 TFT LCD HMI, Built-in 128 MB flash memory / 128 MB DDR2 RAM on board
   ❑ **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]4W
1	
2	RxD
3	TxD
4	
5	GND
6	
7	RTS
8	CTS
9	

COM2 / COM3 [RS485] 9 Pin, Female, D-sub

PIN#	COM2 [RS485]2W	COM2 [RS485]4W	COM3 [RS485]2W
1	Data-	Rx-	
2	Data+	Rx+	
3		Tx-	
4		Tx+	
5	GND		
6			Data-
7			
8			
9			Data+