WEINTEK

MT8103iE1

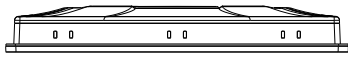## HMI with 10.1" TFT Display

Feature

- 10.1" 1024 x 600 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
- WiFi compatible with 802.11 b/g/n
- Built-in EasyAccess 2.0 License

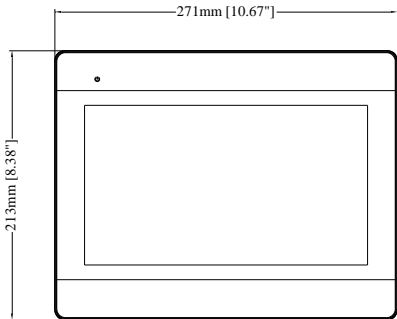|		
Display	Display	10.1" TFT
	Resolution	1024 x 600
	Brightness (cd/m^2)	350
	Contrast Ratio	500:1
	Backlight Type	LED
	Backlight Life Time	50,000 hrs.
	Colors	16.7M
	LCD Viewing Angle (T/B/L/R)	70/70/80/80
	Pixel Pitch (mm)	0.2175(H)x0.2088(V)
Touch Panel	Type	4-wire Resistive Type
	Accuracy	Active 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
	WiFi	IEEE 802.11 b/g/n 802.11b: max 19.76 dBm 802.11g: max 14.07 dBm 802.11n: max 15.41 dBm
	COM Port	Con.A: COM1 RS-485 2W, COM2 RS-485 2W/4W, COM3 RS-485 2W/4W*1 Con.B: COM1 RS-232 4W, COM3 RS-232 2W*2
	RS-485 Dual Isolation	N/A
	CAN Bus	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	650mA@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 36.4 mm
	Panel Cutout	260 x 202 mm
	Weight	Approx. 1 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 V6.01.01 or later versions

*1 COM 3 RS-485 4W will not be available when COM 1 RS-485 2W is used.
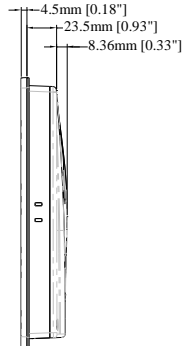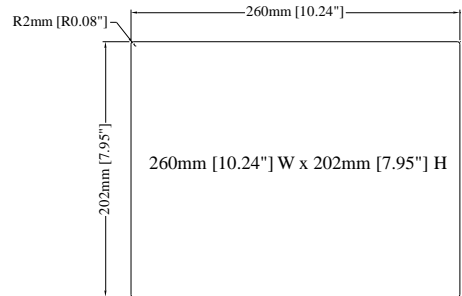*2 Only Tx & Rx (no RTS/CTS) may be used for COM1 RS-232 when COM3 RS-232 is also used.
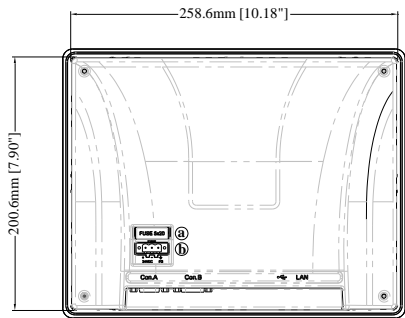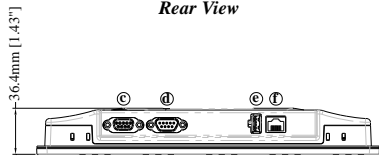
Dimensions

Top View

271mm [10.67"]

213mm [8.38"]

Front View

4.5mm [0.18"]
23.5mm [0.93"]
8.36mm [0.33"]

Side View

R2mm [R0.08"]

260mm [10.24"]

202mm [7.95"]

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

Cutout Dimensions

258.6mm [10.18"]

200.6mm [7.90"]

FUSE 5x20 @ a
 b

Con.A   Con.B   LAN

Rear View

36.4mm [1.43"]

© c   d   e f

Bottom View

a.	Fuse
b.	Power Connector
c.	Con.A: COM1 RS-485 2W, COM2 RS-485 2W/4W, COM3 RS-485 2W/4W
d.	Con.B: COM1 RS-232 4W, COM3 RS-232 2W
e.	USB Host Port
f.	LAN

Ordering Information

❑ **MT8103iE1:**

10.1" 1024 x 600 TFT LCD HMI, Built-in 128 MB flash memory / 128 MB DDR2 RAM on board, Built-in EasyAccess 2.0 License

❑ **RZUSK7010 (included in package)**

USB Clamp & Tying Strap

Pin Assignment:
Con.B: COM1/COM3 [RS232] D-sub 9Pin Male

PIN#	COM1 [RS232] 4W	COM3 [RS232] 2W
1		
2	RxD	
3	TxD	
4		
5	GND	
6		
7	RTS	TxD
8	CTS	RxD
9	GND	

Con.A: COM1 / COM2 / COM3 [RS485] 9 Pin, Female, D-sub

PIN#	COM1 [RS485] 2W	COM2 [RS485] 2W	COM2 [RS485] 4W	COM3 [RS485] 2W	COM3 [RS485] 4W
1		Data-	Rx-		
2		Data+	Rx+		
3			Tx-		
4			Tx+		
5	GND				
6				Data-	Rx-
7	Data-				Tx-
8	Data+				Tx+
9				Data+	Rx+