



### 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 a time\*1
- 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	1024 x 600
	Brightness (cd/m <sup>2</sup> )	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
	COM Port	Con.A: COM1 RS-485 2W, COM2 RS-485 2W/4W, COM3 RS-485 2W/4W*2 Con.B: COM1 RS-232 4W, COM3 RS-232 2W*3
	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	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)*4 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 (UL 61010-2-201)*4
Software	EasyBuilder Pro	V5.03.02 or later versions
	Weincloud	EasyAccess 2.0 (Optional)

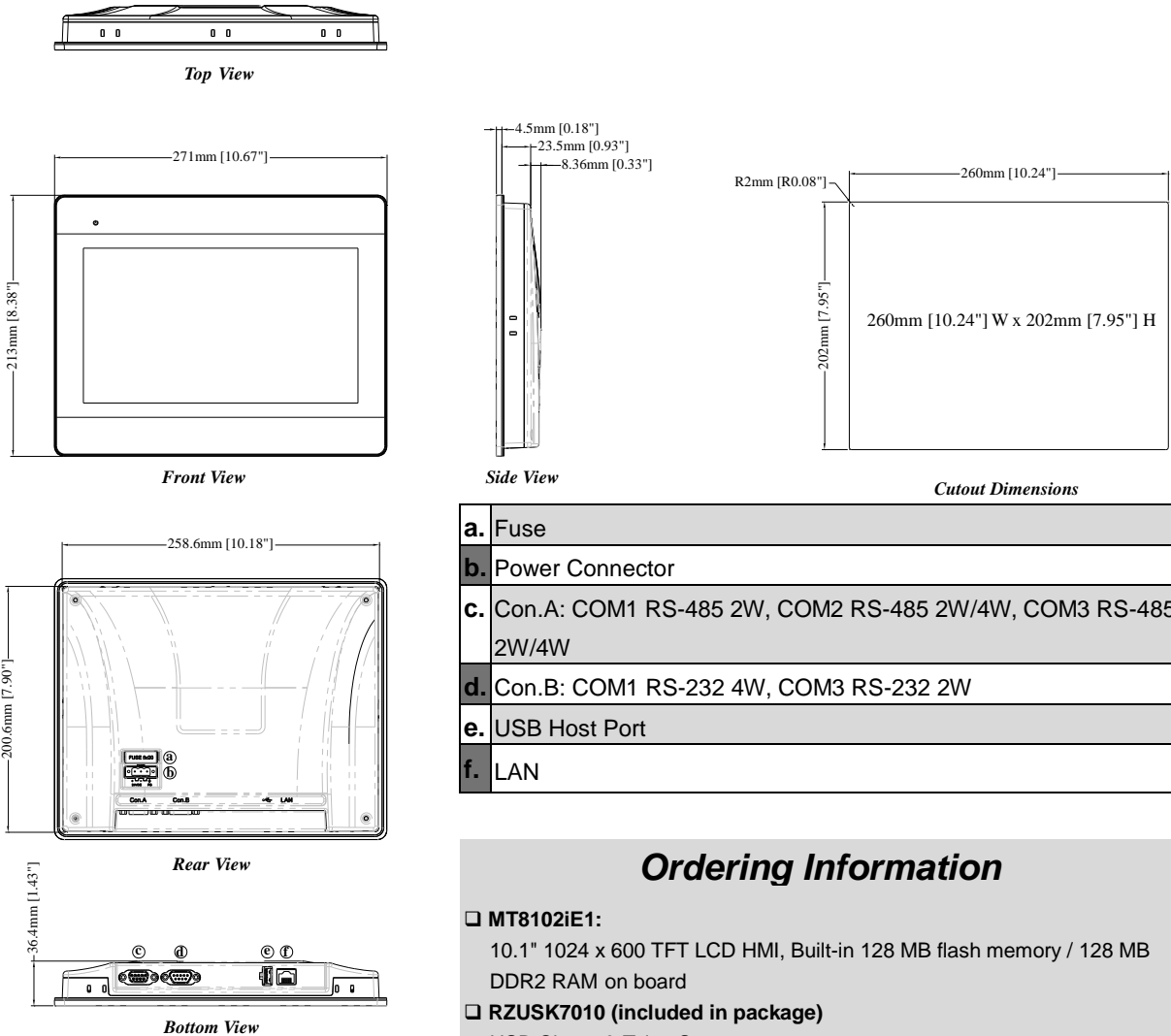
\*1 For products with serial number 2208xxxxx or later, the minimum software requirement for MPI: EasyBuilder Pro V6.07.01.

\*2 COM 3 RS-485 4W will not be available when COM 1 RS-485 2W is used.

\*3 Only Tx & Rx (no RTS/CTS) may be used for COM1 RS-232 when COM3 RS-232 is also used.

\*4 For customers who require UL, please order MT8102iEU. (MT8102iE is not UL listed.)

## Dimensions



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

### Ordering Information

- MT8102iE1:**  
10.1" 1024 x 600 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:

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

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+