MT8106iP

HMI with 10.1" WVA Display

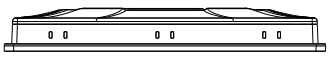
Features

- 10.1" 1024 x 600 Wide Viewing Angle LCD, LED Backlight
- Slim design
- Fan-less Cooling System
- COM2 RS-485 2W supports MPI 187.5K
- Built-in power isolation
- NEMA4 / IP65 Compliant Front Panel

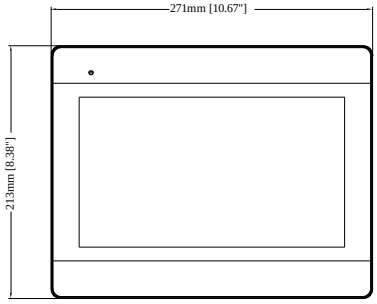
Display	Display	10.1” Wide Viewing Angle (WVA)
	Resolution	1024 x 600
	Brightness (cd/m^2)	350
	Contrast Ratio	1000:1
	Backlight Type	LED
	Backlight Life Time	50,000 hrs.
	Colors	16.7M
	LCD Viewing Angle (T/B/L/R)	89/89/89/89
	Pixel Pitch (mm)	0.2175 (H) x 0.2088 (V)
Touch Panel	Type	4-wire Resistive Type
	Accuracy	Active Area Length(X)±2%, Width(Y)±2%
Memory	Flash	256 MB
	RAM	128 MB
Processor		Dual-core RISC
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: COM2 RS-485 2W/4W, COM3 RS-485 2W Con.B: COM1 RS-232 4W, COM3 RS-232 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	510mA@24VDC
	Voltage Resistance	500VAC (1 min.)
	Isolation Resistance	Exceed 50MΩ at 500VDC
Specification	PCB Coating	N/A
	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	NEMA4 / IP65 Compliant Front Panel
	Storage Temperature	-20° ~ 60°C (-4° ~ 140°F)
	Operating Temperature	0° ~ 55°C (32° ~ 131°F)
	Relative Humidity	10% ~ 90% (non-condensing)
	Altitude (Air Pressure)	Below 3,000 meters (70.1kPa)
	Vibration Endurance	10 to 25Hz (X, Y, Z direction 2G 30 minutes)
Certificate	CE	CE marked
Software	EasyBuilder Pro	V6.08.01 or later versions
	Weincloud	EasyAccess 2.0 (Optional)

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

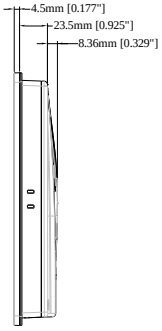
Dimensions



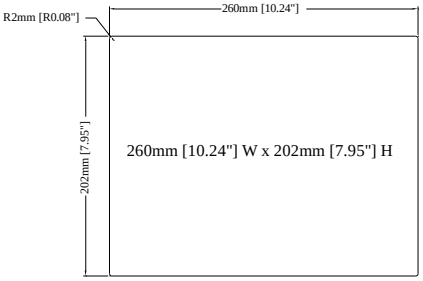
Top View



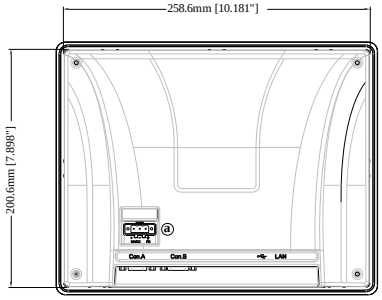
Front View



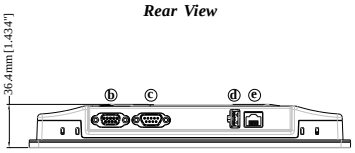
Side View



Cutout Dimensions



Rear View



Bottom View

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

Ordering Information

❑ **MT8106iP:**

10.1" 1024 x 600 WVA LCD HMI, Built-in 256 MB flash memory / 128 MB RAM on board

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: 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+