MT8106iP

10.1” WVA HMI

IP65 NEMA4

Key Features

- 10.1" 1024 × 600 LCD
- Resistive touch panel
- COM port × 3, Ethernet port × 1, USB host port × 1
- Built-in 256 MB FLASH and 128 MB RAM
- Fan-less cooling system

Technical Specifications

Display

Display	10.1” Wide Viewing Angle (WVA)
Resolution	1024 × 600
Brightness (cd/m^2)	350
Contrast Ratio	1000:1
Backlight Life Time	> 50,000 hrs.
Colors	16.7 M
LCD Viewing Angle (T/B/L/R)	89/89/89/89
Pixel Pitch (mm)	0.2175 (H) × 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

CPU	Quad-core RISC

I/O Port

Memory Card Type	N/A
USB Host	USB 2.0 × 1
Ethernet	10/100 Base-T × 1
COM Port	Con.A: COM2 RS-485 2W/4W, COM3 RS-485 2W Con.B: COM1 RS-232 4W, COM3 RS-232 2W*
WiFi	N/A
RS-485 Dual Isolation	N/A
CAN Bus	N/A
Audio Output	N/A

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

Power

Input Power	24 ± 20 % VDC
Power Isolation	Built-in
Power Consumption	400 mA @ 24 VDC
Voltage Resistance	500 VAC (1 min.)
Isolation Resistance	Exceed 50 MΩ at 500 VDC

Mechanical

Enclosure	Plastic
Dimensions W×H×D	271 × 213 × 36.4 mm
Panel Cutout	260 × 202 mm

Weight	Approx. 1 kg
Mount	Panel Mount

Environment

PCB Coating	N/A
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	3,000 m
Vibration Endurance	10 to 25 Hz (X, Y, Z direction 2G 30 minutes)

Certificate

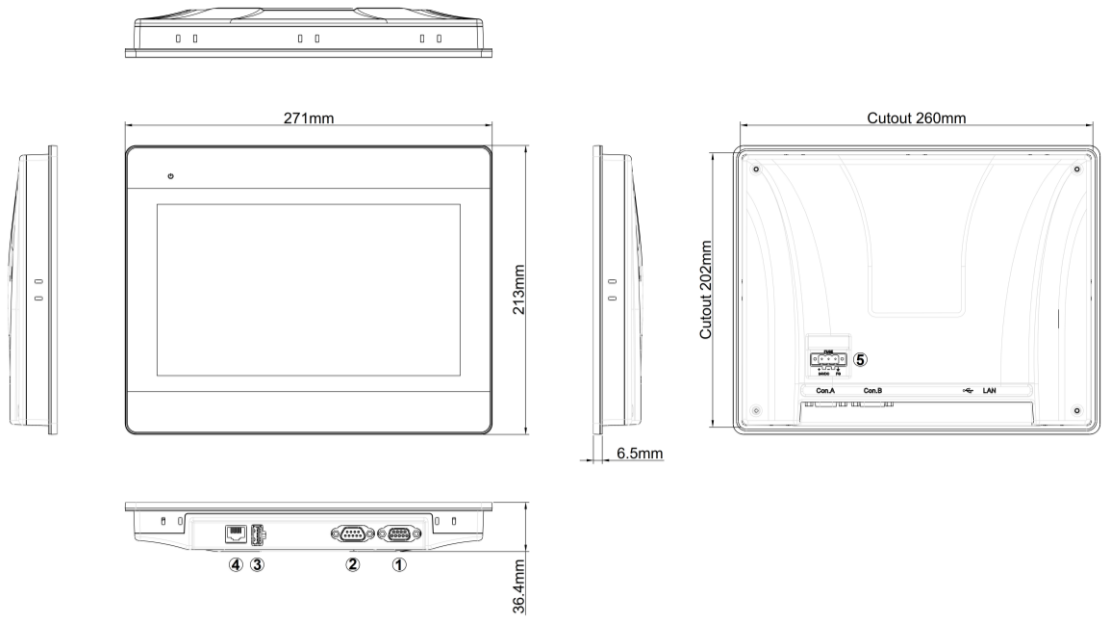
CE	CE Marked

Software

EasyBuilder Pro	V6.08.01 or later versions*
Weincloud	EasyAccess 2.0 (Optional)

* The minimum software requirement for units labeled as MT8106iP (V2): EasyBuilder Pro V6.09.02.

Dimensions



1	Con.A: COM2 RS-485 2W/4W, COM3 RS-485 2W
2	Con.B: COM1 RS-232 4W, COM3 RS-232 2W
3	USB Host
4	LAN
5	Power Connector

Pin Assignment

Con.B: 9 Pin, D-sub, 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: 9 Pin, D-sub, Female

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+

Part Number

☐ **【MT8106iP】**

10.1" 1024 × 600 WVA LCD HMI, Built-in 256 MB FLASH / 128 MB RAM

Optional:

☐ **RZACEA020:** EasyAccess 2.0 Activation Card