MT8072iP

7″ TFT HMI

IP65 NEMA4

Key Features

- 7" 800 × 480 LCD
- Resistive touch panel
- COM port × 2, Ethernet port × 1, USB host port × 1
- Built-in 256 MB FLASH and 128 MB RAM
- Fan-less cooling system

Technical Specifications

Display

Display	7” TFT
Resolution	800 × 480
Brightness (cd/m^2)	450
Contrast Ratio	500:1
Backlight Life Time	> 30,000 hrs.
Colors	16.7 M
LCD Viewing Angle (T/B/L/R)	60/70/70/70
Pixel Pitch (mm)	0.1926 (H) × 0.179 (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

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	COM1: RS-232 4W COM2: RS-485 2W/4W
WiFi	N/A
RS-485 Dual Isolation	N/A
CAN Bus	N/A
Audio Output	N/A

Power

Input Power	24 ± 20 % VDC
Power Isolation	Built-in
Power Consumption	350 mA @ 24 VDC
Voltage Resistance	500 VAC (1 min.)
Isolation Resistance	Exceed 50 MΩ at 500 VDC

Mechanical

Enclosure	Plastic
Dimensions W×H×D	200.4 × 146.5 × 34 mm
Panel Cutout	192 × 138 mm
Weight	Approx. 0.52 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)

Product Carbon Footprint (kg CO_2e)

Manufacturing Stage (A1-A3)	21

Certificate

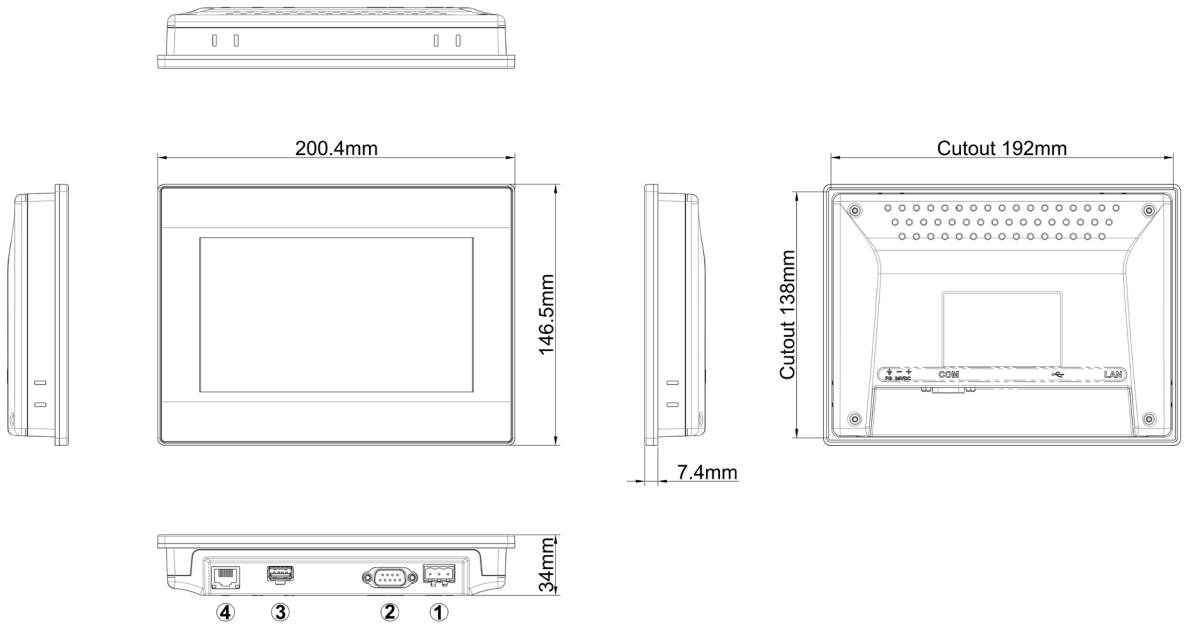
CE	CE Marked

Software

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

* The minimum software requirement for units labeled as MT8072iP (V2): EasyBuilder Pro V6.10.01.

Dimensions



1	Power Connector
2	COM1: RS-232 4W COM2: RS-485 2W/4W
3	USB Host
4	LAN

Pin Assignment

COM: 9 Pin, D-sub, Male

PIN#	COM1 [RS232]4W	COM2 [RS485]4W	COM2 [RS485]2W
1		Rx-	Data-
2		Rx+	Data+
3		Tx-	
4		Tx+	
5		GND	
6	TxD		
7	RTS		
8	CTS		
9	RxD		

Part Number

☐ **【MT8072iP】**

7" 800 × 480 TFT LCD HMI, Built-in 256 MB FLASH / 128 MB RAM

Optional:

☐ **RZACEA020:** EasyAccess 2.0 Activation Card