

MT8052iP

4.3" TFT HMI



CE  IP65 NEMA4

Key Features

- ▶ 4.3" 480 × 272 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	4.3" TFT
Resolution	480 × 272
Brightness (cd/m ²)	400
Contrast Ratio	500:1
Backlight Life Time	> 30,000 hrs.
Colors	16.7 M
LCD Viewing Angle (T/B/L/R)	50/70/70/70
Pixel Pitch (mm)	0.198 (H) × 0.198 (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	Dual-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 2W, RS-485 2W/4W COM3: RS-485 2W
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	128 × 102 × 32 mm
Panel Cutout	119 × 93 mm
Weight	Approx. 0.25 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 CO₂e)

Manufacturing Stage (A1-A3)	10
-----------------------------	----

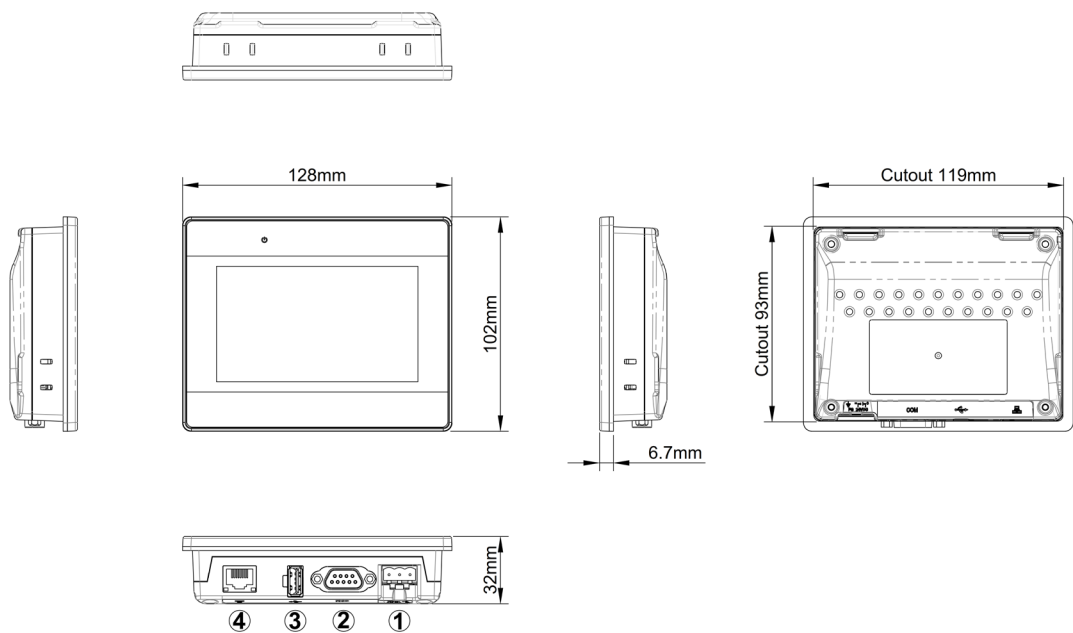
Certificate

CE	CE Marked
----	-----------

Software

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

Dimensions



1	Power Connector
2	COM1: RS-232 2W, RS-485 2W/4W COM3: RS-485 2W

3	USB Host
4	LAN

Pin Assignment

COM: 9 Pin, D-sub, Male

PIN#	COM1 [RS485]4W	COM1 [RS485]2W	COM1 [RS232]2W	COM3 [RS485]2W
1	Rx-	Data-		
2	Rx+	Data+		
3	Tx-			
4	Tx+			
5	GND			
6			TxD	
7				Data-
8				Data+
9			RxD	

Part Number

☐ 【MT8052iP】

4.3" 480 × 272 TFT LCD HMI, Built-in 256 MB FLASH / 128 MB RAM

Optional:

☐ RZACEA020: EasyAccess 2.0 Activation Card