

cMT3106XM

10.1" WVA Handheld HMI



IP65 NEMA4

Key Features

- ▶ Mode selector key switch, emergency stop switch, and 3-position enable switch
- ▶ 10.1" 1024 × 600 LCD
- ▶ Resistive touch panel
- ▶ Built-in 4GB FLASH and 1GB RAM
- ▶ COM port × 1, Ethernet port × 1, USB host port × 1, SD/SDHC slot × 1
- ▶ Fan-less cooling system
- ▶ IP65-rated full enclosure protection
- ▶ Wall-mount bracket for secure installation

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	4 GB
RAM	1 GB

Processor

CPU	Quad-core RISC
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I/O Port

Memory Card Type	SD × 1
USB Host	USB 2.0 × 1
Ethernet	10/100 Base-T × 1
COM Port	COM2 RS-485 2W/4W
WiFi	N/A
RS-485 Dual Isolation	N/A
CAN Bus	N/A
Audio Output	N/A

Key Switch

Contacts	NO × 1, NC × 1
Rated Operating Voltage	24 VDC
Rated Operating Current	500 mA
Mechanical Life	> 250,000 operations

Emergency Stop Switch

Contacts	NC × 2
Rated Operating Voltage	30 VDC
Rated Operating Current	500 mA
Standards	IEC60947-5-1, EN60947-5-1, IEC60947-5-5, EN60947-5-5, UL60947-5-5, NFPA79, CSA C22.2 No.14, GB14048.5
Mechanical Life	> 250,000 operations

3-Position Enable Switch

Contacts	NO × 2
Rated Operating Voltage	30 VDC
Rated Operating Current	500 mA
Standards	IEC/EN 60947-5-8, IEC/EN 60947-5-1, UL508, CSA C22.2 No.14, GS-ET-22
Mechanical Life	Position 1→2→1: > 1,000,000 operations Position 1→2→3→1: > 100,000 operations

Power

Input Power	24 ± 20 % VDC*
Power Isolation	Built-in
Power Consumption	480 mA @ 24 VDC
Voltage Resistance	500 VAC (1 min.)
Isolation Resistance	Exceed 50 MΩ at 500 VDC

* The Handheld HMI must be powered solely through the connection box.

Mechanical

Enclosure	Plastic
Dimensions W×H×D	302.7 × 240 × 116.8 mm
Weight	Approx. 1.6 kg
Mount	Wall Mount Bracket

Environment

PCB Coating	Yes
Protection Structure	IP65
Max. Fall Height	1.2 m
Storage Temperature	-20° ~ 60°C (-4° ~ 140°F)
Operating Temperature	0° ~ 50°C (32° ~ 122°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)	49
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Certificate

CE	CE Marked
UL	cULus Listed

Software

EasyBuilder Pro	V6.10.01 or later versions
Weincloud	EasyAccess 2.0 (Optional), Dashboard (Optional)

Part Number

☐ **【cMT3106XM06】**

10.1" 1024 × 600 WVA LCD Handheld HMI, Built-in 4GB FLASH / 1GB RAM, 6m Cable

☐ **【cMT3106XM10】**

10.1" 1024 × 600 WVA LCD Handheld HMI, Built-in 4GB FLASH / 1GB RAM, 10m Cable

Optional:

☐ **cMT-XMBS:** Standard Connection Box

☐ **cMT-XMBC:** Compact Connection Box

☐ **cMT-XM-ESP:** E-Stop Bypass Plug

☐ **cMT-XM-WMB:** Wall Mount Bracket for HMI

☐ **RZACEA020:** EasyAccess 2.0 Activation Card