

cMT2058XH

4.3" WVA Standard HMI



NEMA4

Key Features

- ▶ 4.3" 800 × 480 LCD
- ▶ Resistive touch panel
- ▶ COM port × 2, Ethernet port × 2, USB host port × 1
- ▶ Built-in 4 GB FLASH and 1 GB RAM
- ▶ Fan-less cooling system

Technical Specifications

Display

| | |
|---------------------------------|-------------------------------|
| Display | 4.3" Wide Viewing Angle (WVA) |
| Resolution | 800 × 480 |
| Brightness (cd/m ²) | 530 |
| Contrast Ratio | 800:1 |
| Backlight Life Time | > 30,000 hrs. |
| Colors | 16.7 M |
| LCD Viewing Angle (T/B/L/R) | 80/80/80/80 |
| Pixel Pitch (mm) | 0.1188 (H) × 0.1122 (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 |
|-----|----------------|

I/O Port

| | |
|-----------------------|---|
| Memory Card Type | N/A |
| USB Host | USB 2.0 × 1 |
| Ethernet | LAN 1: 10/100/1000 Base-T x 1 LAN 2: 10/100 Base-T x 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 | 510 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. 0.27 kg |

| | |
|-------|-------------|
| Mount | Panel Mount |
|-------|-------------|

Environment

| | |
|-----------------------|---|
| PCB Coating | Yes |
| Protection Structure | UL Type 4X (indoor use only) / NEMA4 / IP66 Compliant Front Panel |
| 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) |

Certificate

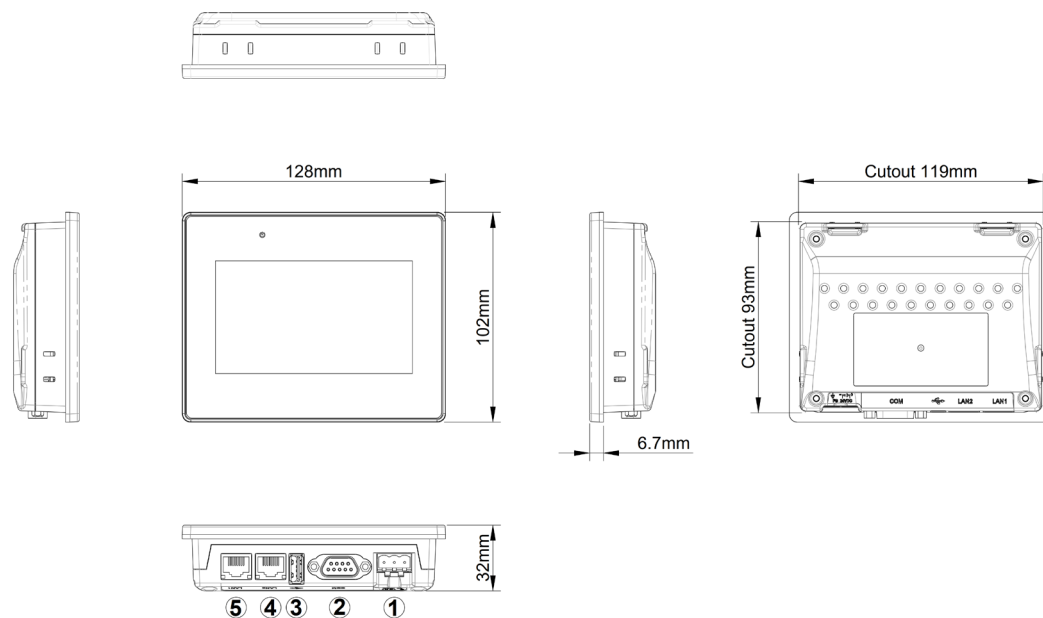
| | |
|----|--------------|
| CE | CE Marked |
| UL | cULus Listed |

Software

| | |
|-----------------|---|
| EasyBuilder Pro | V6.09.01 or later versions |
| Weincloud | EasyAccess 2.0 (Optional), Dashboard (Optional) |
| CODESYS® | Optional |

* CODESYS® is a trademark of CODESYS GmbH.

Dimensions



| | |
|---|--|
| 1 | Power Connector |
| 2 | COM1: RS-232 2W, RS-485 2W/4W COM3: RS-485 2W |
| 3 | USB Host |

| | |
|---|-------|
| 4 | LAN 2 |
| 5 | LAN 1 |

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

【cMT2058XH】

4.3" 800 × 480 WVA LCD HMI, Built-in 4 GB FLASH / 1 GB RAM

Optional:

RZACEA020: EasyAccess 2.0 Activation Card

RZ0CDS000: CODESYS License