



### Feature

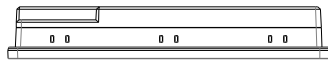
- 10.1" 1280 x 800 Wide Viewing Angle LCD, LED Backlight
- Built-in 4GB Flash Memory and RTC
- COM2 and COM3 RS-485 2W support MPI 187.5K, please use one at a time.
- CAN Bus Supports CANopen, CAN Bus 2.0A/2.0B and SAE J1939
- Fan-less Cooling System
- PCB coating process ensures high reliability to resist from corrosion in harsh environment.
- Built-in Power Isolation
- NEMA4 / IP66 Compliant Front Panel
- Compatible with M02 WiFi Expansion Module that supports wireless communication.

|                      |                                 |   |
|----------------------|---------------------------------|---|
| <b>Display</b>       | Display                         | 10.1" Wide Viewing Angle (WVA)  |
|                      | Resolution                      | 1280 x 800  |
|                      | Brightness (cd/m <sup>2</sup> ) | 425   |
|                      | Contrast Ratio                  | 800:1   |
|                      | Backlight Type                  | LED   |
|                      | Backlight Life Time             | >50,000 hrs.  |
|                      | Colors                          | 16.7M   |
|                      | LCD Viewing Angle (T/B/L/R)     | 89/89/89/89   |
|                      | Pixel Pitch (mm)                | 0.1695 (H) x 0.1695 (V)   |
| <b>Touch Panel</b>   | Type                            | Tempered Glass, Capacitive Type   |
|                      | Hardness Scale                  | 7H  |
| <b>Memory</b>        | Flash                           | 4 GB  |
|                      | RAM                             | 1 GB  |
| <b>Processor</b>     |                                 | Quad-core RISC  |
| <b>I/O Port</b>      | SD Card Slot                    | N/A   |
|                      | USB Host                        | USB 2.0 x 1   |
|                      | USB Client                      | N/A   |
|                      | Ethernet                        | LAN 1: 10/100/1000 Base-T x 1<br>LAN 2: 10/100 Base-T x 1                                   |
|                      | WiFi                            | M02 WiFi Expansion Module (Optional)  |
|                      | COM Port                        | Con.A: COM2 RS-485 2W/4W, COM3 RS-485 2W, CAN Bus<br>Con.B: COM1 RS-232 4W, COM3 RS-232 2W* |
|                      | RS-485 Dual Isolation           | N/A   |
|                      | CAN Bus                         | Yes   |
|                      | Audio Output                    | Built-in Mono Speaker   |
| <b>RTC</b>           |                                 | Built-in  |
| <b>Power</b>         | Input Power                     | 24±20%VDC   |
|                      | Power Isolation                 | Built-in  |
|                      | Power Consumption               | 700mA@24VDC   |
|                      | Voltage Resistance              | 500VAC (1 min.)   |
|                      | Isolation Resistance            | Exceed 50MΩ at 500VDC   |
| <b>Specification</b> | PCB Coating                     | Yes   |
|                      | Enclosure                       | Plastic   |
|                      | Dimensions WxHxD                | 266 x 196 x 42.7 mm   |
|                      | Panel Cutout                    | 255 x 185 mm  |
|                      | Weight                          | Approx. 1.1 kg  |
|                      | Mount                           | Panel mount, VESA mount 75 x 75 mm  |
| <b>Environment</b>   | Protection Structure            | NEMA4 / IP66 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)  |
|                      | Vibration Endurance             | 10 to 25Hz (X, Y, Z direction 2G 30 minutes)  |
| <b>Certificate</b>   | CE                              | CE marked   |
|                      | ATEX                            | ATEX Zone 2/22 Category 3 G/D   |
| <b>Software</b>      | EasyBuilder Pro                 | V6.08.01 or later versions  |
|                      | Weincloud                       | EasyAccess 2.0 (Optional), Dashboard (Optional)   |
|                      | CODESYS®                        | Optional  |

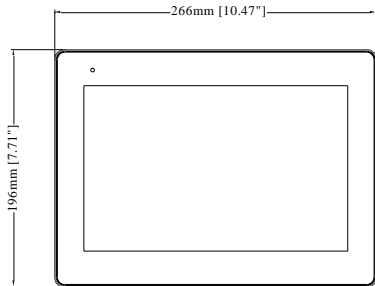
\* Only Tx & Rx (no RTS/CTS) may be used for COM1 RS-232 when COM3 RS-232 is also used.

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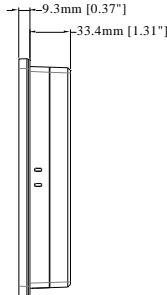
## Dimensions



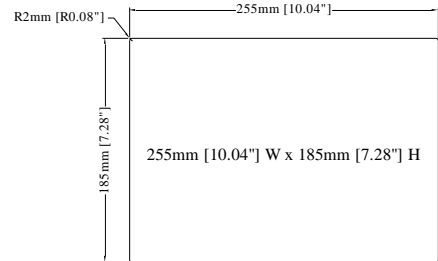
Top View



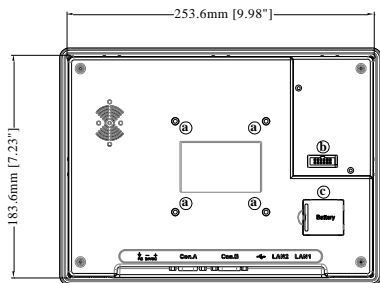
Front View



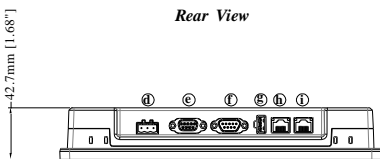
Side View



Cutout Dimensions



Rear View



Bottom View

|    |   |
|----|---|
| a. | VESA 75 mm Screw Holes                            |
| b. | Expansion Module Connector                        |
| c. | Battery   |
| d. | Power Connector                                   |
| e. | Con.A: COM2 RS-485 2W/4W, COM3 RS-485 2W, CAN Bus |
| f. | Con.B: COM1 RS-232 4W, COM3 RS-232 2W             |
| g. | USB Host Port                                     |
| h. | LAN 2   |
| i. | LAN 1   |

## Ordering Information

**cMT3108XP:**

10.1" 1280 x 800 WVA LCD HMI, Built-in 4GB flash memory / 1GB DDR RAM on board

**RZUSK7010 (included in package)**

USB Clamp & Tying Strap

Optional:

**M02:** WiFi Expansion Module

**RZACEA020:** EasyAccess 2.0 Activation Card

**RZ0CDS000:** CODESYS activation card & license sticker

### Pin Assignment:

Con.B: COM1 / COM3 [RS232], 9 Pin, Male, D-sub

| 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: COM2 / COM3 [RS485]/ CAN Bus, 9 Pin, Female, D-sub

| PIN# | COM2 [RS485]2W | COM2 [RS485]4W | COM3 [RS485]2W | CAN Bus |
|------|----------------|----------------|----------------|---------|
| 1    | Data-          | Rx-            |                |         |
| 2    | Data+          | Rx+            |                |         |
| 3    |                | Tx-            |                |         |
| 4    |                | Tx+            |                |         |
| 5    | GND            |                |                |         |
| 6    |                |                | Data-          |         |
| 7    |                |                |                | CAN_L   |
| 8    |                |                |                | CAN_H   |
| 9    |                |                | Data+          |         |