



### Feature

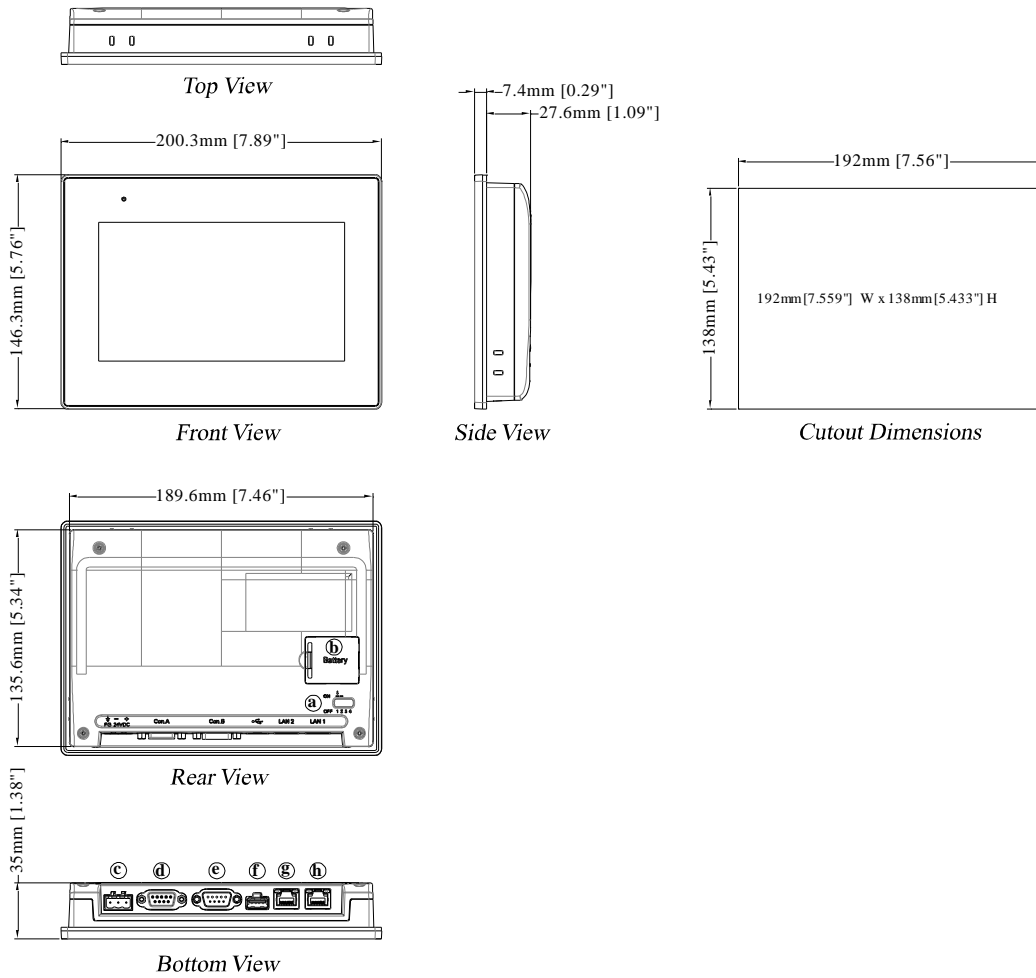
- 7" 800 x 480 TFT LCD, LED Backlight
- Quad-core Cortex-A35 CPU with High Performance dedicated 3D Processor
- Fan-less Cooling System
- Built-in 4GB Flash Memory and RTC
- Built-in Power Isolator
- NEMA4 / IP66 Compliant Front Panel

|                      |                                 |   |
|----------------------|---------------------------------|---|
| <b>Display</b>       | Display                         | 7" TFT  |
|                      | Resolution                      | 800 x 480   |
|                      | Brightness (cd/m <sup>2</sup> ) | 400   |
|                      | Contrast Ratio                  | 800:1   |
|                      | Backlight Type                  | LED   |
|                      | Backlight Life Time             | >30,000 hrs.  |
|                      | Colors                          | 16.7M   |
|                      | LCD Viewing Angle (T/B/R/L)     | 80/60/80/80   |
|                      | Pixel Pitch (mm)                | 0.1926(H) x 0.179(V)  |
| <b>Touch Panel</b>   | Type                            | 4-wire Resistive Type   |
|                      | Accuracy                        | Active Area Length(X)±2%, Width(Y)±2%   |
| <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 Base-T x 1<br>LAN 2: 10/100 Base-T x 1  |
|                      | COM Port                        | Con.A: COM2 RS-485 2W/4W, COM3 RS-485 2W<br>Con.B: COM1 RS-232 4W, COM3 RS-232 2W*<br>MPI is not supported. |
|                      | RS-485 Dual Isolation           | N/A   |
|                      | CAN Bus                         | N/A   |
|                      | HDMI                            | N/A   |
|                      | Audio Output                    | N/A   |
| <b>RTC</b>           |                                 | Built-in  |
| <b>Power</b>         | Input Power                     | 24±20%VDC   |
|                      | Power Isolation                 | Built-in  |
|                      | Power Consumption               | 820mA@24VDC   |
|                      | Voltage Resistance              | 500VAC (1 min.)   |
|                      | Isolation Resistance            | Exceed 50MΩ at 500VDC   |
| <b>Specification</b> | PCB Coating                     | Yes   |
|                      | Enclosure                       | Plastic   |
|                      | Dimensions WxHxD                | 200.3 x 146.3 x 35.0 mm   |
|                      | Panel Cutout                    | 192 x 138 mm  |
|                      | Weight                          | Approx. 0.6 kg  |
|                      | Mount                           | Panel mount   |
| <b>Environment</b>   | Protection Structure            | UL Type 4X (indoor use only) / 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   |
|                      | UL                              | cULus Listed  |
| <b>Software</b>      | EasyBuilder Pro                 | V6.05.02 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.

\* CODESYS® is a trademark of 3S-Smart Software Solutions GmbH.

## Dimensions



|          |   |          |   |
|----------|---|----------|---|
| <b>a</b> | DIP SW  | <b>e</b> | Con.B:<br>COM1 RS-232 4W,<br>COM3 RS-232 2W |
| <b>b</b> | Battery   | <b>f</b> | USB Host Port                               |
| <b>c</b> | Power Connector                                 | <b>g</b> | LAN 2                                       |
| <b>d</b> | Con.A:<br>COM2 RS-485 2W/4W,<br>COM3 RS-485 2W, | <b>h</b> | LAN 1                                       |

## Ordering Information

- cMT2078X:**  
7" TFT LCD HMI, 4GB flash memory, 1GB RAM on board
  - RZUSK7010 (included in package)**  
USB Clamp & Tying Strap
- Optional:
- RZ0CDS000:** CODESYS activation card & license sticker
  - RZACEA020:** EasyAccess 2.0 Activation Card

### 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], 9 Pin, Female, D-sub

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