



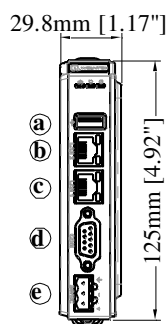
## Feature

- Compact Design and DIN-rail Mountable
- Fan-less Cooling System
- Built-in 4GB Flash Memory and RTC
- One USB Host Port
- Gigabit Ethernet Port
- Supports MPI 187.5K
- Built-in Power Isolator
- Supports OPC UA Server

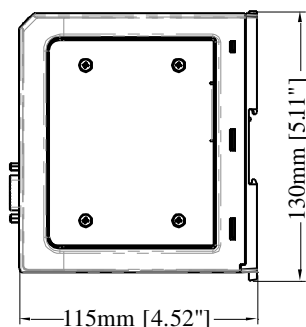
|                      |                       |                                                           |
|----------------------|-----------------------|-----------------------------------------------------------|
| <b>Memory</b>        | Flash                 | 4 GB                                                      |
|                      | RAM                   | 1 GB                                                      |
| <b>Processor</b>     |                       | Quad-core RISC                                            |
| <b>I/O Port</b>      | Micro SD Card Slot    | Micro SD x1                                               |
|                      | 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 |
|                      | COM Port              | COM1: RS-232 2W<br>COM2: RS-485 2W/4W<br>COM3: RS-485 2W  |
|                      | RS-485 Dual Isolation | N/A                                                       |
|                      | CAN Bus               | N/A                                                       |
|                      | HDMI Output           | 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     | 850mA@24VDC                                               |
|                      | Voltage Resistance    | 500VAC (1 min.)                                           |
|                      | Isolation Resistance  | Exceed 50MΩ at 500VDC                                     |
|                      | Vibration Endurance   | 10 to 25Hz (X, Y, Z direction 2G 30 minutes)              |
| <b>Specification</b> | PCB Coating           | Yes                                                       |
|                      | Enclosure             | Plastic                                                   |
|                      | Dimensions WxHxD      | 29.8 x 130 x 115 mm                                       |
|                      | Weight                | Approx. 0.24 kg                                           |
|                      | Mount                 | 35mm DIN rail mounting                                    |
| <b>Environment</b>   | Protection Structure  | IP20                                                      |
|                      | Storage Temperature   | -20° ~ 60°C (-4° ~ 140°F)                                 |
|                      | Operating Temperature | 0° ~ 50°C (32° ~ 122°F)                                   |
|                      | Relative Humidity     | 10% ~ 90% (non-condensing)                                |
| <b>Certificate</b>   | CE                    | CE marked                                                 |
|                      | UL                    | cULus Listed                                              |
| <b>Software</b>      | EasyBuilder Pro       | V6.07.01 or later versions                                |
|                      | Weincloud             | EasyAccess 2.0 (Optional), Dashboard (Optional)           |
|                      | CODESYS®              | Optional                                                  |

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

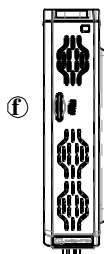
## Dimensions



Front View



Side View



Top View



Bottom View

|          |                                                            |          |                    |
|----------|------------------------------------------------------------|----------|--------------------|
| <b>a</b> | USB Host Port                                              | <b>f</b> | Micro SD Card Slot |
| <b>b</b> | LAN 2                                                      | <b>g</b> | DIP Switch         |
| <b>c</b> | LAN 1                                                      | <b>h</b> | Reset Button       |
| <b>d</b> | COM1: RS-232 2W,<br>COM2: RS-485 2W/4W,<br>COM3: RS-485 2W |          |                    |
| <b>e</b> | Power Connector                                            |          |                    |

## Ordering Information

### □ cMT-SVRX-820:

4GB flash memory, 1GB RAM on board, 10/100/1000M Ethernet port x 1, 10/100M Ethernet port x 1

### Optional:

□ **RZACEA020**: EasyAccess 2.0 Activation Card

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

### Pin Assignment:

COM1 [RS232], COM2 / COM3 [RS485], 9 Pin, Male, D-sub

| PIN# | COM1<br>[RS-232]<br>2W | COM2<br>[RS-485] |     | COM3<br>[RS-485]<br>2W |
|------|------------------------|------------------|-----|------------------------|
|      |                        | 2W               | 4W  |                        |
| 1    |                        |                  |     | Data+                  |
| 2    | RxD                    |                  |     |                        |
| 3    | TxD                    |                  |     |                        |
| 4    |                        |                  |     | Data-                  |
| 5    | GND                    |                  |     |                        |
| 6    |                        | Data+            | Rx+ |                        |
| 7    |                        | Data-            | Rx- |                        |
| 8    |                        |                  | Tx+ |                        |
| 9    |                        |                  | Tx- |                        |