



Feature

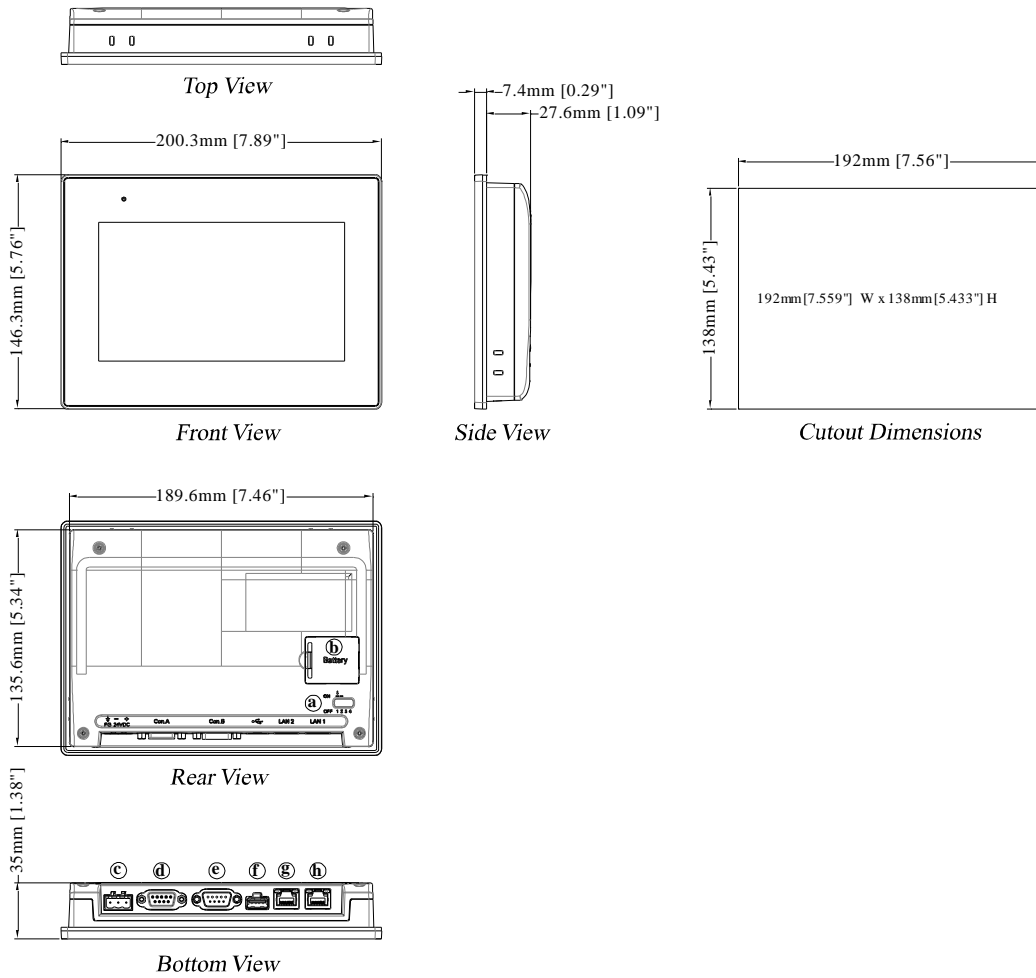
- 7" 800 x 480 TFT LCD, LED Backlight
- Quad-core Cortex-A35 CPU with High Performance dedicated 3D Processor
- Fan-less Cooling System
- Built-in 4GB Flash Memory and RTC
- Built-in Power Isolator
- NEMA4 / IP66 Compliant Front Panel

| | | |
|---------------|---------------------------------|---|
| Display | Display | 7" TFT |
| | Resolution | 800 x 480 |
| | Brightness (cd/m ²) | 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) |
| Touch Panel | Type | 4-wire Resistive Type |
| | Accuracy | Active Area Length(X)±2%, Width(Y)±2% |
| Memory | Flash | 4 GB |
| | RAM | 1 GB |
| Processor | | Quad-core 64-bit RISC 1.5 GHz |
| I/O Port | 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 LAN 2: 10/100 Base-T x 1 |
| | COM Port | Con.A: COM2 RS-485 2W/4W, COM3 RS-485 2W Con.B: COM1 RS-232 4W, COM3 RS-232 2W* MPI is not supported. |
| | RS-485 Dual Isolation | N/A |
| | CAN Bus | N/A |
| | HDMI | N/A |
| | Audio Output | N/A |
| RTC | | Built-in |
| Power | Input Power | 24±20%VDC |
| | Power Isolation | Built-in |
| | Power Consumption | 820mA@24VDC |
| | Voltage Resistance | 500VAC (1 min.) |
| | Isolation Resistance | Exceed 50MΩ at 500VDC |
| | Vibration Endurance | 10 to 25Hz (X, Y, Z direction 2G 30 minutes) |
| Specification | 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 |
| Environment | 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) |
| Certificate | CE | CE marked |
| | UL | cULus Listed |
| Software | | EasyBuilder Pro V6.05.02 or later versions EasyAccess 2.0 (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



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