

HMI with 9.7" XGA TFT Display



Feature

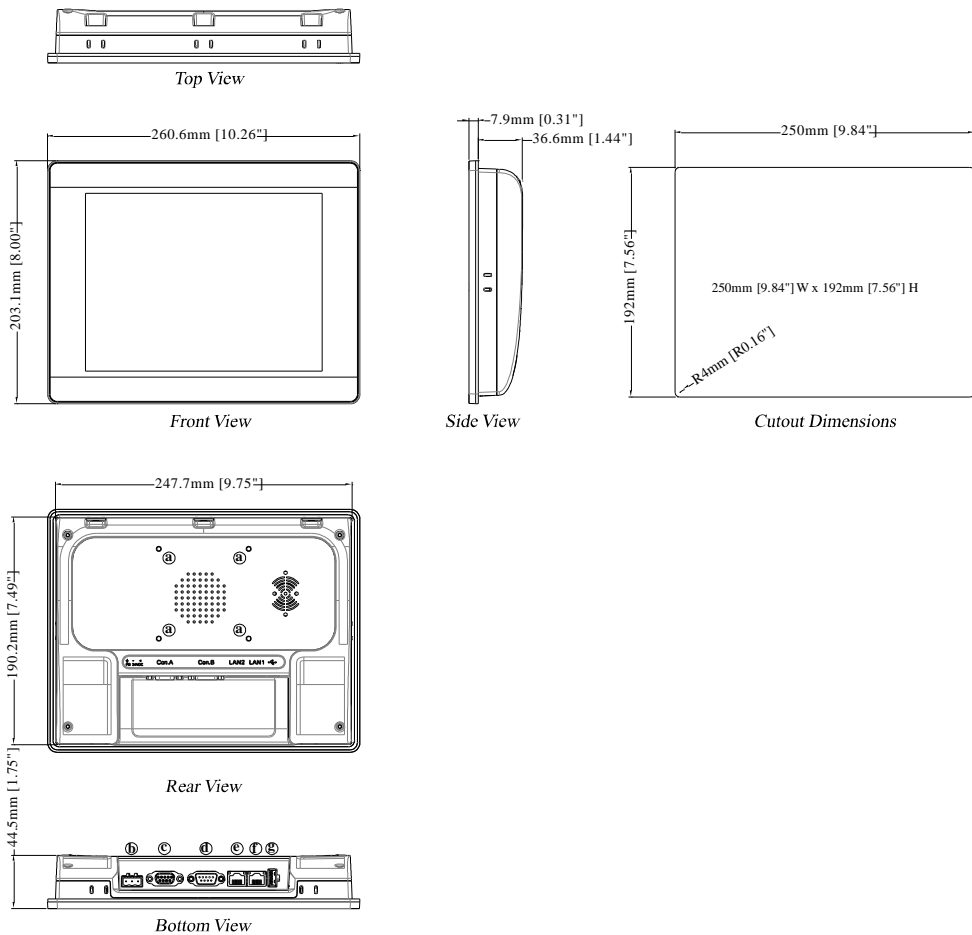
- 9.7" 1024 x 768 TFT LCD
- Quad-core Cortex-A17 CPU with High Performance dedicated 3D Processor
- Fan-less Cooling System
- Built-in 4GB Flash Memory and RTC
- CAN Bus Supports CANopen Protocol
- COM2 / COM3 RS-485 2W Supports MPI 187.5K, please use one at a time.
- Built-in Power Isolator
- NEMA4/IP66 Compliant Front Panel
- Built-in EasyAccess 2.0 License

| | | |
|----------------------|---------------------------------|---|
| Display | Display | 9.7" TFT |
| | Resolution | 1024 x 768 |
| | Brightness (cd/m ²) | 350 |
| | Contrast Ratio | 500:1 |
| | Backlight Type | LED |
| | Backlight Life Time | >30,000 hrs. |
| | Colors | 262K |
| | LCD Viewing Angle (T/B/L/R) | 60/70/70/70 |
| | Pixel Pitch (mm) | 0.192(H) x 0.192(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 32-bit RISC 1.6GHz |
| I/O Port | 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 LAN 2: 10/100 Base-T x 1 |
| | COM Port | Con.A: COM2 RS-485 2W/4W, COM3 RS-485 2W, CAN Bus Con.B: COM1 RS-232 4W, COM3 RS-232 2W* |
| | RS-485 Isolation | N/A |
| | CAN Bus | Yes |
| | HDMI | N/A |
| | Audio Output | Built-in Mono Speaker |
| RTC | | Built-in |
| Power | Input Power | 24±20%VDC |
| | Power Isolation | Built-in |
| | Power Consumption | 1A@24VDC |
| | Voltage Resistance | 500VAC (1 min.) |
| | Isolation Resistance | Exceed 50MΩ @ 500VDC |
| | Vibration Endurance | 10 to 25Hz (X, Y, Z direction 2G 30 minutes) |
| Specification | PCB Coating | Yes |
| | Enclosure | Plastic |
| | Dimensions WxHxD | 260.6 x 203.1 x 44.5 mm |
| | Panel Cutout | 250 x 192 mm |
| | Weight | Approx. 1 kg |
| | Mount | Panel mount, VESA mount 75 x 75 mm |
| 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° ~ 50°C (32° ~ 122°F) |
| | Relative Humidity | 10% ~ 90% (non-condensing) |
| Certificate | CE | CE marked |
| | UL | cULus Listed |
| Software | | EasyBuilder Pro V6.04.01 or later versions Built-in EasyAccess 2.0 License 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 | VESA 75 mm Screw Holes | e | LAN 2 |
| b | Power Connector | f | LAN 1 |
| c | COM2 RS-485, COM3 RS-485, CAN Bus (Con.A) | g | USB Host |
| d | COM1 RS-232, COM3 RS-232 (Con.B) | | |

Ordering Information

- cMT3092X:**
9.7" TFT LCD HMI, 4GB flash memory, 1GB RAM on board, Built-in EasyAccess 2.0 license
- RZUSK7010 (included in package)**
USB Clamp & Tying Strap
- RP0080900 (included in package)**
9.7" Screen Protective Film

Optional:

- 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 | | |

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+ | |