

HMI with 15" XGA IPS Display



Feature

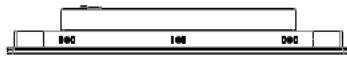
- 15" 1024 x 768 IPS LCD
- Quad-core Cortex-A17 CPU with High Performance dedicated 3D Processor
- Fan-less Cooling System
- Built-in 4GB Flash Memory and RTC
- SD Card Slot Supports SD/SDHC Cards
- COM1 / COM3 RS-485 Built-in Isolation
- Built-in Power Isolator
- NEMA4/IP66 Compliant Front Panel

| | | |
|---------------|---------------------------------|---|
| Display | Display | 15" IPS |
| | Resolution | 1024 x 768 |
| | Brightness (cd/m ²) | 400 |
| | Contrast Ratio | 1000:1 |
| | Backlight Type | LED |
| | Backlight Life Time | >50,000 hrs. |
| | Colors | 16.2M |
| | LCD Viewing Angle (T/B/R/L) | 89/89/89/89 |
| | Pixel Pitch (mm) | 0.297(H) x 0.297(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 | SD/SDHC |
| | 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: COM1 RS-485 2W/4W, COM3 RS-485 2W Con.B: COM1 RS-232 4W, COM3 RS-232 2W* MPI is not supported. |
| | RS-485 Isolation | Yes |
| | CAN Bus | N/A |
| | HDMI | N/A |
| | Audio Output | Built-in Mono Speaker Audio Line Out - 3.5 mm jack x 1 |
| RTC | | Built-in |
| Power | Input Power | 24±20%VDC |
| | Power Isolation | Built-in |
| | Power Consumption | 1.3A@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 | Aluminum |
| | Dimensions WxHxD | 366 x 293 x 48.2 mm |
| | Panel Cutout | 352 x 279 mm |
| | Weight | Approx. 2.6 kg |
| | Mount | Panel mount, VESA mount 75 x 75 mm |
| Environment | Protection Structure | 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 |
| Software | | EasyBuilder Pro EasyAccess 2.0 (Optional) CODESYS® (Optional)* |

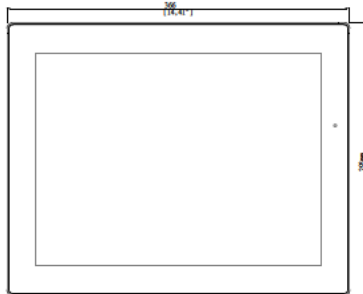
* Only Tx & Rx (no RTS/CTS) may be used for COM1 RS-232 when COM3 RS-232 is also used.

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

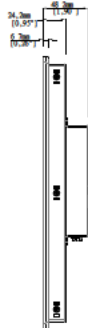
Dimensions



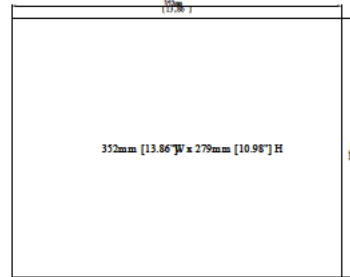
Top View



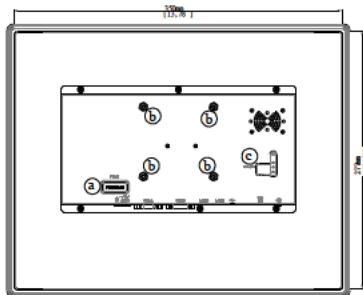
Front View



Side View



Cutout Dimensions



Rear View



Bottom View

| | | | |
|----------|-----------------------------------|----------|---------------|
| a | Fuse | g | LAN 2 |
| b | VESA 75mm Screw Holes | h | LAN 1 |
| c | DIP SW | i | USB Host port |
| d | Power Connector | j | SD Card Slot |
| e | COM1 RS-485, COM3 RS-485, (Con.A) | k | Line Out |
| f | COM1 RS-232, COM3 RS-232 (Con.B) | | |

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 | |

Ordering Information

cMT2158X:
15" IPS LCD HMI, 4GB flash memory, 1GB RAM on

Optional:

- RZACEA020:** EasyAccess 2.0 Activation Card
- RZ0CDS000:** CODESYS activation card & license sticker

Con. A: COM1 / COM3 [RS485] 9 Pin, Female, D-sub

| PIN# | COM1 [RS485]2W | COM1 [RS485]4W | COM3 [RS485]2W |
|------|-----------------|----------------|----------------|
| 1 | Data- | Rx- | |
| 2 | Data+ | Rx+ | |
| 3 | | Tx- | |
| 4 | | Tx+ | |
| 5 | GND (isolation) | | |
| 6 | | | Data- |
| 7 | | | |
| 8 | | | |
| 9 | | | Data+ |