

Human Machine Interface with 7" TFT Display

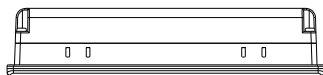


Feature

- Aluminum enclosure greatly improves the reliability.
- 7" 800 x 480 TFT LCD, LED Backlight
- Fan-less Cooling System
- Built- in 256 MB Flash Memory and RTC
- SD Card Slot for Extension of Storage
- One USB Host and One USB Client Port
- COM1 and COM3 RS-485 & CAN Bus Built-in Isolation
- COM1 and COM3 RS-485 2W supports MPI 187.5K, please use one at one time
- CAN Bus port supports CANopen Protocol
- Built-in Power Isolator
- NEMA4 / IP66 Compliant Front Panel

| | | |
|----------------------|---------------------------------|--|
| Display | Display | 7" TFT |
| | Resolution | 800 x 480 |
| | Brightness (cd/m ²) | 500 |
| | Contrast Ratio | 500:1 |
| | Backlight Type | LED |
| | Backlight Life Time | >30,000 hrs. |
| | Colors | 16.7M |
| Touch Panel | Type | 4-wire Resistive Type |
| | Accuracy | Active Area Length(X)±2%, Width(Y)±2% |
| Memory | Flash | 256 MB |
| | RAM | 256 MB |
| Processor | | 32 bit RISC CPU 600MHz |
| I/O Port | SD Card Slot | SD/SDHC |
| | USB Host | USB 2.0 x 1 |
| | USB Client | USB 2.0 x 1 |
| | Ethernet | 10/100 Base-T x 1 |
| | COM Port | COM1: RS-232/RS-485 2W/4W COM3: RS-232/RS-485 2W* |
| | RS-485 Dual Isolation | Yes |
| | CAN Bus | Yes |
| | HDMI | N/A |
| | Audio Output | Audio Line Out - 3.5 mm jack x 1 |
| | Video Input | N/A |
| RTC | | Built-in |
| Power | Input Power | 24±20%VDC |
| | Power Isolation | Built-in |
| | Power Consumption | 400m A@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 | Aluminum |
| | Dimensions WxHxD | 200.3 x 146.3 x 42.5 mm |
| | Panel Cutout | 192 x 138 mm |
| | Weight | Approx. 0.9 kg |
| | Mount | Panel mount |
| Environment | Protection Structure | NEMA4 / IP66 Compliant Front Panel |
| | Storage Temperature | -20° ~ 70°C (-4° ~ 158°F) |
| | Operating Temperature | -20° ~ 50°C (-4° ~ 122°F) |
| | Relative Humidity | 10% ~ 90% (non-condensing) |
| Certificate | CE | CE marked |
| | UL | cULus Listed |
| Software | | EasyBuilder Pro |

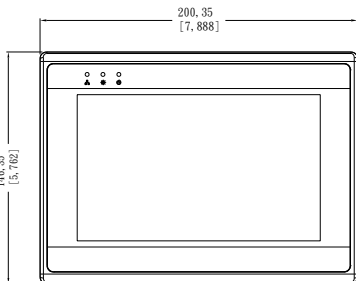
*Note: COM1 RS-232 RTS/CTS and COM3 RS-232 cannot be used simultaneously.



Top View



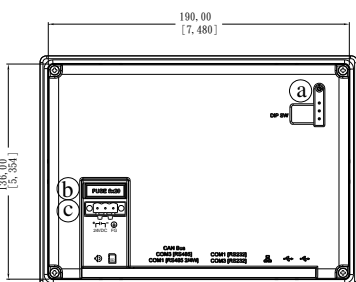
Side View



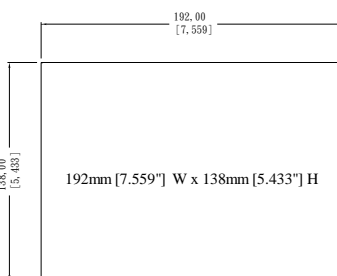
Front View



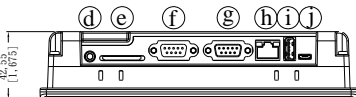
Side View



Rear View



Cutout Dimensions



Bottom View

| | | | |
|----------|-----------------|----------|---|
| a | DIP SW | f | COM1 RS-485, COM3 RS-485, CAN Bus |
| b | Fuse | g | COM1 RS-232, COM3 RS-232 |
| c | Power Connector | h | Ethernet Port |
| d | Line Out | i | USB Host Port |
| e | SD Card Slot | j | USB Client Port |

Ordering Information

- eMT3070A**: 7" TFT LCD HMI, 256 MB flash memory / 256 MB RAM on board
- FLZ485000**
Multi-Connector cable COM1[485] / COM3[485] / CAN Bus
- FLZ232000**
Multi-Connector cable COM1[232] / COM3[232]

Pin Assignment:

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

| PIN# | Symbol | COM1 [RS232] | COM3 [RS232] |
|------|----------|------------------|------------------|
| 1 | Not used | | |
| 2 | RxD | Received Data | |
| 3 | TxD | Transmitted Data | |
| 4 | Not used | | |
| 5 | GND | Ground | |
| 6 | Not used | | |
| 7 | RTS | Ready to send | Transmitted Data |
| 8 | CTS | Clear to send | Received Data |
| 9 | Not used | | |

COM1 / COM3 [RS485] / CAN Bus 9 Pin, Female, D-sub

| PIN# | Symbol | Com 1 [RS485]2w | Com 1 [RS485]4w | Com 3 [RS485] | CAN Bus |
|------|--------|-----------------|-----------------|---------------|---------|
| 1 | Rx- | Data- | Rx- | | |
| 2 | Rx+ | Data+ | Rx+ | | |
| 3 | Tx- | | Tx- | | |
| 4 | Tx+ | | Tx+ | | |
| 5 | GND | Ground | | | |
| 6 | Data- | | | Data- | |
| 7 | CAN_L | | | | CAN_L |
| 8 | CAN_H | | | | CAN_H |
| 9 | Data+ | | | Data+ | |