

## HMI with 15" XVGA TFT Display

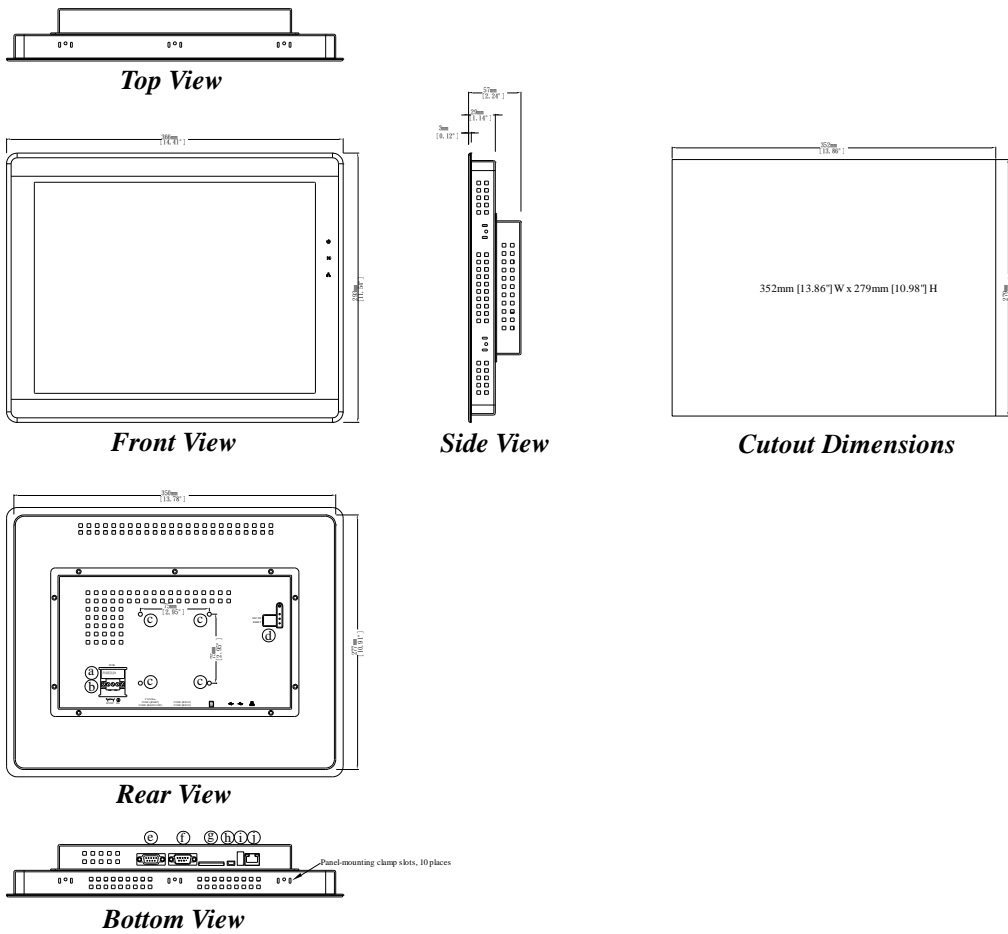
### Feature

- Aluminum Housing and Brand New Color & Design
- 15" 1024 x 768 TFT Industrial Grade LCD
- Long Life LED Back Light with Ceramics Package
- Fan-less Cooling System
- Built-in 256 MB Flash Memory and RTC
- SD Card Slot for Expansion of Storage
- One USB Host Port 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 / IP65 Compliant Front Panel

|               |                                 |   |
|---------------|---------------------------------|---|
| Display       | Display                         | 15" TFT   |
|               | Resolution                      | 1024 x 768  |
|               | Brightness (cd/m <sup>2</sup> ) | 400   |
|               | Contrast Ratio                  | 700:1   |
|               | Backlight Type                  | LED   |
|               | Backlight Life Time             | >50,000 hrs.  |
|               | Colors                          | 16.2M   |
|               | LCD Viewing Angle (T/B/L/R)     | 70/70/80/80   |
| 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 800MHz  |
| 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<br>COM3: RS-232/RS-485 2W*              |
|               | RS-485 Dual Isolation           | Yes   |
|               | CAN Bus                         | Yes   |
|               | HDMI                            | N/A   |
|               | Audio Output                    | N/A   |
| Video Input   | N/A                             |   |
| RTC           |                                 | Built-in  |
| Power         | Input Power                     | 24±20%VDC   |
|               | Power Isolation                 | Built-in  |
|               | Power Consumption               | 900m 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                | 366 x 293 x 57 mm   |
|               | Panel Cutout                    | 352 x 279 mm  |
|               | Weight                          | Approx. 2.75 kg   |
|               | Mount                           | Panel mount, VESA mount 75 x 75 mm                                |
| Environment   | Protection Structure            | UL Type 4X (indoor use only) / NEMA4 / IP65 Compliant Front Panel |
|               | Storage Temperature             | -20° ~ 70°C (-4° ~ 158°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   |

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

## Dimensions



|          |                                   |          |                          |
|----------|-----------------------------------|----------|--------------------------|
| <b>a</b> | Fuse                              | <b>f</b> | COM1 RS-232, COM3 RS-232 |
| <b>b</b> | Power Connector                   | <b>g</b> | SD Card Slot             |
| <b>c</b> | VESA 75 mm Screw Holes            | <b>h</b> | USB Client Port          |
| <b>d</b> | DIP SW & Reset Button             | <b>i</b> | USB Host Port            |
| <b>e</b> | COM1 RS-485, COM3 RS-485, CAN Bus | <b>j</b> | Ethernet Port            |

### Pin Assignment:

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

| PIN# | COM1 [RS232] | COM3 [RS232] |
|------|--------------|--------------|
| 1    |              |              |
| 2    | RxD          |              |
| 3    | TxD          |              |
| 4    |              |              |
| 5    | GND          |              |
| 6    |              |              |
| 7    | RTS          | TxD          |
| 8    | CTS          | RxD          |
| 9    |              |              |

## Ordering Information

### □ eMT3150A

15" 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]

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

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