



Feature

- 9.7" 1024 x 768 TFT LCD, LED Backlight
- Fan-less Cooling System
- Built-in 512 MB Flash Memory
- One USB Host Port
- COM2 and COM3 RS-485 2W support MPI 187.5K, please use one at one time
- CAN Bus port supports CANopen Protocol
- Built-in Power Isolator
- NEMA4 / IP65 Compliant Front Panel

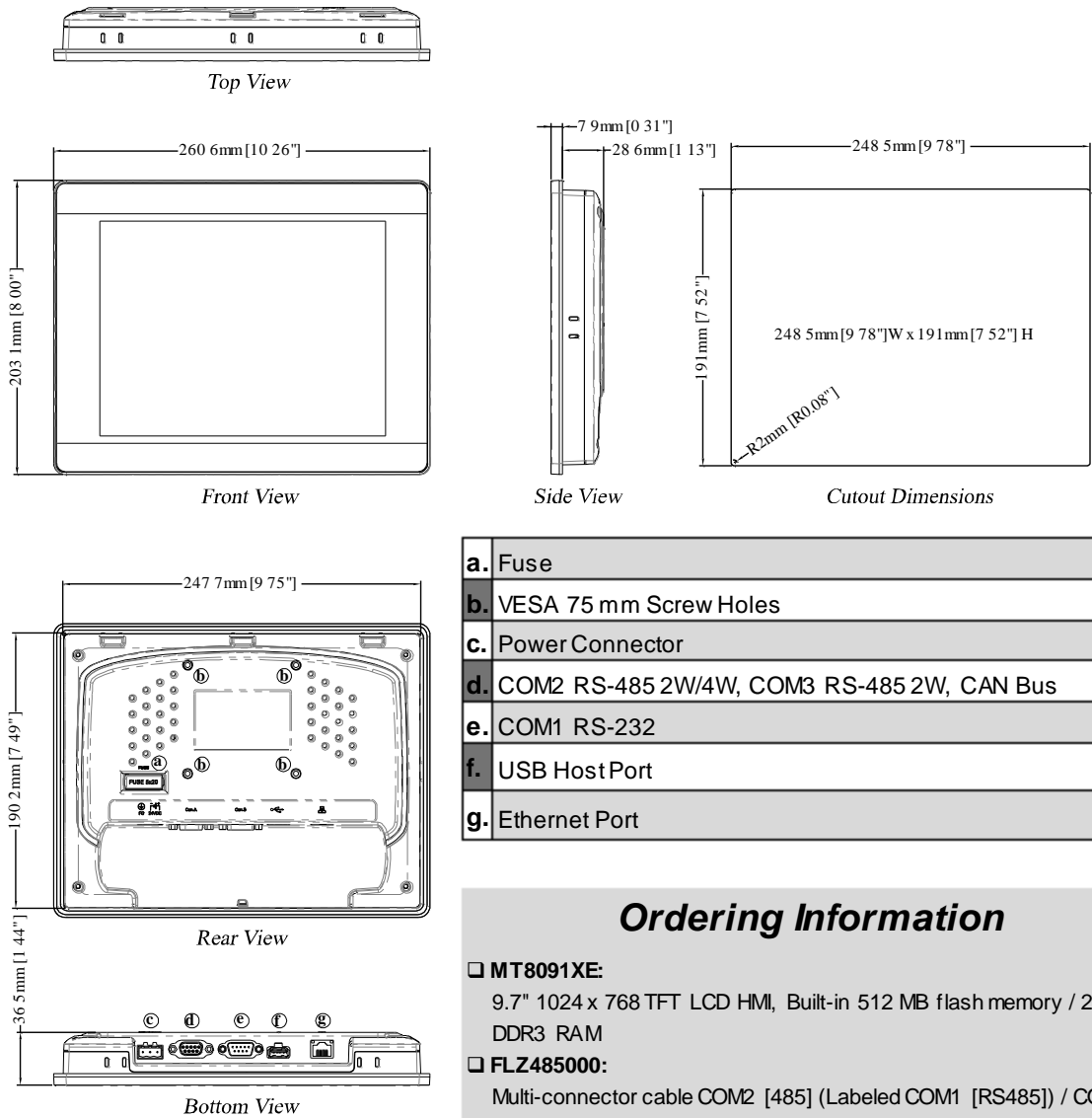
| | | |
|----------------------|---------------------------------|---|
| Display | Display | 9.7" TFT |
| | Resolution | 1024 x 768 |
| | Brightness (cd/m ²) | 350 |
| | Contrast Ratio | 500:1 |
| | Backlight Type | LED |
| | Backlight Life Time | >30,000 hrs. |
| | Colors | 262K |
| Touch Panel | Type | 4-wire Resistive Type |
| | Accuracy | Active Area Length(X)±2%, Width(Y)±2% |
| Memory | Flash | 512 MB |
| | RAM | 256 MB |
| Processor | | 32 bits RISC Cortex-A8 1GHz |
| I/O Port | SD Card Slot | N/A |
| | USB Host | USB 2.0 x 1 |
| | USB Client | N/A |
| | Ethernet | 10/100 Base-T x 1 |
| | COM Port | COM1: RS-232 COM2: RS-485 2W/4W COM3: RS-485 2W |
| | RS-485 Dual Isolation | N/A |
| | 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 | 500mA@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 | 260.6 x 203.1 x 36.5 mm |
| | Panel Cutout | 248.5 x 191 mm |
| | Weight | Approx. 0.85 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° ~ 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 V5.00.01 or later versions |

Software Features

| | |
|--------------------------------------|-------|
| Project Size | 64MB |
| History Data Size | 120MB |
| Embed Pictures in Project | ✓ |
| Embed PLC Tag Information in Project | ✓ |
| Project Protection | ✓ |
| Enhanced Security | ✓ |
| Recipe Database / View Database | ✓ |
| Operation Log / Operation View | ✓ |
| eMail | ✓ |
| VNC | ✓ |
| Media Player | ✓ |
| Audio Output | N/A |
| Video Input | N/A |
| USB CAM | ✓ |
| Flow Block | ✓ |
| Combo Button | ✓ |
| Circular Trend Display | ✓ |
| Picture View | ✓ |
| File Browser | ✓ |
| Recipe Import/Export | ✓ |
| CAN Bus | ✓ |
| Download Project via USB Cable | N/A |
| Download Project via USB Disk | ✓ |
| Download Project via Ethernet | ✓ |
| User-Defined Boot Screen | ✓ |
| EasySystemSetting | ✓ |

Dimensions



| | |
|-----------|--|
| a. | Fuse |
| b. | VESA 75 mm Screw Holes |
| c. | Power Connector |
| d. | COM2 RS-485 2W/4W, COM3 RS-485 2W, CAN Bus |
| e. | COM1 RS-232 |
| f. | USB Host Port |
| g. | Ethernet Port |

Ordering Information

- MT8091XE:**
 9.7" 1024 x 768 TFT LCD HMI, Built-in 512 MB flash memory / 256 MB DDR3 RAM
- FLZ485000:**
 Multi-connector cable COM2 [485] (Labeled COM1 [RS485]) / COM3 [485] / CAN Bus

Pin Assignment:

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

| PIN# | Symbol | COM1 [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 output |
| 8 | CTS | Clear to send input |
| 9 | Not used | |

COM2 [RS485] / COM3 [RS485] / CAN Bus 9 Pin, Female, D-sub

| PIN# | Symbol | COM2 [RS485] | | COM3 [RS485] | CAN Bus |
|------|--------|--------------|-----|--------------|---------|
| | | 2W | 4W | | |
| 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+ | |