



Feature

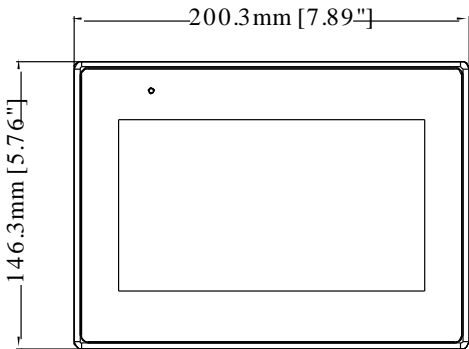
- 7" 800x480 TFT LCD, LED Backlight
- Fan-less Cooling System
- PCB coating process ensures high reliability to resist from corrosion in harsh environment
- COM2 and COM3 [RS485] support MPI 187.5K, please use one at one time
- NEMA4/IP65 Compliant Front Panel
- Built-in Power Isolation

| | | |
|----------------------|---------------------------------|---|
| Display | Display | 7" TFT LCD |
| | Resolution (WxH dots) | 800 x 480 |
| | Brightness (cd/m ²) | 350 |
| | Contrast Ratio | 500:1 |
| | Backlight Type | LED |
| | Backlight Life Time | >30,000 hrs. |
| | Colors | 16M |
| Touch Panel | Type | 4-wire Resistive Type |
| | Accuracy | Active Area Length(X)±2%, Width(Y)±2% |
| Memory | Flash | 128 MB |
| | RAM | 128 MB |
| Processor | | 32 bits RISC Cortex A8 600MHz |
| I/O Port | USB Host | USB 2.0 x 1 |
| | Ethernet | 1 RJ45 port (10/100 Base-T) |
| | COM Port | COM1: RS-232, COM2: RS-485 2w/4w, COM3: RS-485 2w |
| RTC | | Built-in |
| Power | Input Power | 24±20%VDC |
| | Power Isolation | Built-in |
| | Power Consumption | 350mA@24VDC |
| | Voltage Resistance | 500VAC (1 min.) |
| | Isolation Resistance | Exceed 50MΩ @ 500VDC |
| | Vibration Endurance | 10 to 25Hz(X,Y,Z direction 2G 30 minutes) |
| Specification | Enclosure | Plastic |
| | Dimensions WxHxD | 200.3 x 146.3 x 35mm |
| | Panel Cutout | 192 x 138mm |
| | Weight | Approx.0.6 kg |
| Environment | Protection Structure | NEMA4 / IP65 |
| | Storage Temperature | -10°~60°C (14° ~ 140°F) |
| | Operating Temperature | 0° ~ 50°C (32° ~ 122°F) |
| | Relative Humidity | 10% ~ 90% RH (non-condensing) |
| | PCB Coating | Yes |
| Certificate | CE | CE marked |
| Software | | EasyBuilder Pro V4.10.04 or later versions |

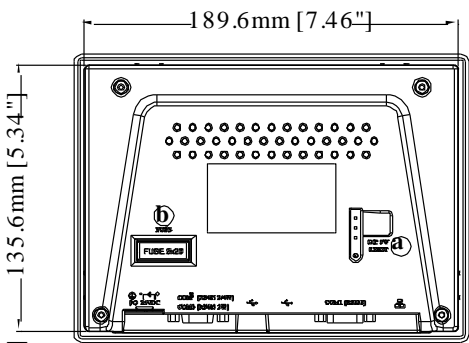
Dimensions



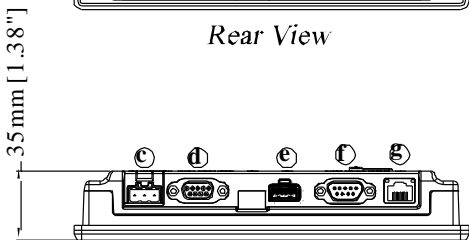
Top View



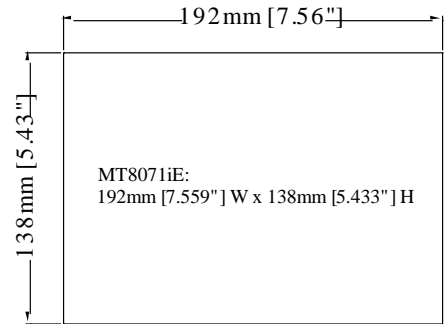
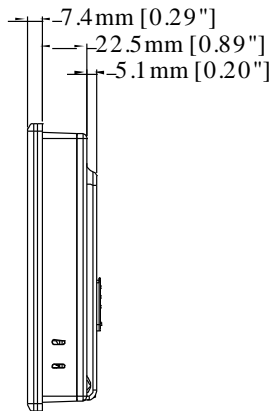
Front View



Rear View



Bottom View



MT8071iE:
192mm [7.559"] W x 138mm [5.433"] H

| | |
|----|---------------------------------|
| a. | DIP SW |
| b. | Fuse |
| c. | Power Connector |
| d. | COM2 RS485 2W/4W, COM3 RS485 2W |
| e. | USB Host |
| f. | COM1 RS232 |
| g. | Ethernet |

Ordering Information

□ **MT8071iE1:**

7" 800x480 TFT LCD HMI, Built-in 128MB flash memory / 128MB DDR2 RAM on board

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

| PIN# | Symbol | Com2 [RS485]2w | Com2 [RS485]4w | Com3 [RS485] |
|------|----------|----------------|----------------|--------------|
| 1 | Rx- | Data- | Rx- | |
| 2 | Rx+ | Data+ | Rx+ | |
| 3 | Tx- | | Tx- | |
| 4 | Tx+ | | Tx+ | |
| 5 | GND | Ground | | |
| 6 | Data- | | | Data- |
| 7 | Not used | | | |
| 8 | Not used | | | |
| 9 | Data+ | | | Data+ |