

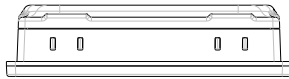


### Features

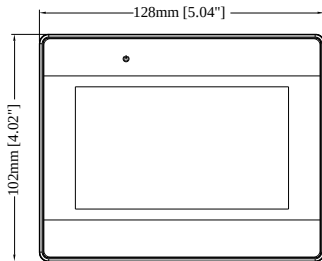
- 4.3" 480 x 272 TFT LCD, LED Backlight
- Slim design
- Fan-less Cooling System
- COM1 and COM3 RS-485 2W support MPI 187.5K, please use one at a time
- Built-in Power Isolator
- NEMA4 / IP65 Compliant Front Panel

|               |                                 |                                               |
|---------------|---------------------------------|-----------------------------------------------|
| Display       | Display                         | 4.3" TFT                                      |
|               | Resolution                      | 480 x 272                                     |
|               | Brightness (cd/m <sup>2</sup> ) | 400                                           |
|               | Contrast Ratio                  | 500:1                                         |
|               | Backlight Type                  | LED                                           |
|               | Backlight Life Time             | >30,000 hrs.                                  |
|               | Colors                          | 16.7M                                         |
|               | LCD Viewing Angle (T/B/L/R)     | 50/70/70/70                                   |
|               | Pixel Pitch (mm)                | 0.198(H)x0.198(V)                             |
| Touch Panel   | Type                            | 4-wire Resistive Type                         |
|               | Accuracy                        | Active Area Length(X)±2%, Width(Y)±2%         |
| Memory        | Flash                           | 256 MB                                        |
|               | RAM                             | 128 MB                                        |
| Processor     |                                 | Dual-core RISC                                |
| 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/RS-485 2W/4W,<br>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 at 500VDC                         |
| Specification | PCB Coating                     | N/A                                           |
|               | Enclosure                       | Plastic                                       |
|               | Dimensions WxHxD                | 128 x 102 x 32 mm                             |
|               | Panel Cutout                    | 119 x 93 mm                                   |
|               | Weight                          | Approx. 0.25 kg                               |
|               | Mount                           | Panel mount                                   |
| Environment   | Protection Structure            | NEMA4 / IP65 Compliant Front Panel            |
|               | Storage Temperature             | -20° ~ 60°C (-4° ~ 140°F)                     |
|               | Operating Temperature           | 0° ~ 55°C (32° ~ 131°F)                       |
|               | Relative Humidity               | 10% ~ 90% (non-condensing)                    |
|               | Vibration Endurance             | 10 to 25Hz (X, Y, Z direction 2G 30 minutes)  |
| Certificate   | CE                              | CE marked                                     |
| Software      | EasyBuilder Pro                 | V6.08.01 or later versions                    |
|               | Weincloud                       | EasyAccess 2.0 (Optional)                     |

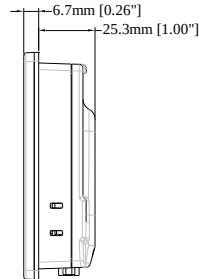
## Dimensions Drawing



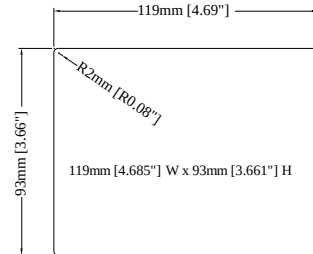
**Top View**



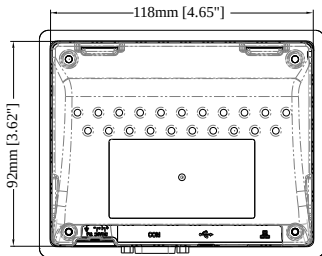
**Front View**



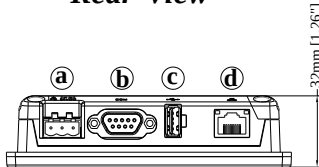
**Side View**



**Cutout Dimensions**



**Rear View**



**Bottom View**

### Pin Assignment:

COM1 [RS232] / [RS485], COM3 [RS485], 9 Pin, Male, D-sub

|   |                                              |
|---|----------------------------------------------|
| a | Power Connector                              |
| b | COM1: RS-232/RS-485 2W/4W<br>COM3: RS-485 2W |
| c | USB Host Port                                |
| d | Ethernet Port                                |

| PIN# | COM1 [RS485] |       | COM1 [RS232]<br>2W | COM3 [RS485]<br>2W |
|------|--------------|-------|--------------------|--------------------|
|      | 4W           | 2W    |                    |                    |
| 1    | Rx-          | Data- |                    |                    |
| 2    | Rx+          | Data+ |                    |                    |
| 3    | Tx-          |       |                    |                    |
| 4    | TX+          |       |                    |                    |
| 5    | GND          |       |                    |                    |
| 6    |              |       | TxD                |                    |
| 7    |              |       |                    | Data-              |
| 8    |              |       |                    | Data+              |
| 9    |              |       | RxD                |                    |

## Ordering Information

### MT8052iP:

4.3" 480 x 272 TFT LCD HMI, 256 MB flash memory / 128 MB DDR RAM on board.

### Optional:

☒ RZACEA020: EasyAccess 2.0 Activation Card