

## IIoT Gateway with Serial Bridge



### Features

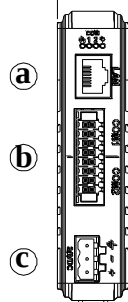
- IIoT Gateway with serial bridge can upgrade your existing serial-based controller and touch panel without the need for modifying PLC and HMI projects.
- Transparent (pass-through) between COM1 and COM2
- Supports OPC UA and MQTT
- Supports MODBUS TCP/IP Gateway
- Compact Design and DIN-rail Mountable
- Fan-less Cooling System
- Built-in 256 MB Flash Memory
- Built-in Power Isolator
- Wide input voltage range: 10.5~28VDC



|                      |                       |                                                                         |
|----------------------|-----------------------|-------------------------------------------------------------------------|
| <b>Memory</b>        | Flash                 | 256 MB                                                                  |
|                      | RAM                   | 256 MB                                                                  |
| <b>Processor</b>     |                       | 32-bit RISC 528MHz                                                      |
| <b>I/O Port</b>      | SD Card Slot          | N/A                                                                     |
|                      | USB Host              | N/A                                                                     |
|                      | USB Client            | N/A                                                                     |
|                      | Ethernet              | 10/100 Base-T x 1                                                       |
|                      | COM Port              | COM1: RS-232 2W, RS-485 2W/4W<br>COM2: RS-232 2W, RS-485 2W/4W          |
| <b>RTC</b>           |                       | Built-in                                                                |
| <b>Power</b>         | Input Power           | 10.5~28VDC                                                              |
|                      | Power Isolation       | Built-in                                                                |
|                      | Power Consumption     | 300mA@12VDC;150mA@24VDC                                                 |
|                      | Voltage Resistance    | 500VAC (1 min.)                                                         |
|                      | Isolation Resistance  | Exceed 50MΩ at 500VDC                                                   |
| <b>Specification</b> | Vibration Endurance   | 10 to 25Hz (X, Y, Z direction 2G 30 minutes)                            |
|                      | PCB Coating           | Yes                                                                     |
|                      | Enclosure             | Plastic                                                                 |
|                      | Dimensions            | 27 x 109 x 81 mm                                                        |
|                      | Weight                | Approx. 0.14 kg                                                         |
| <b>Environment</b>   | Mount                 | 35 mm DIN rail mounting                                                 |
|                      | Protection Structure  | IP20                                                                    |
|                      | Storage Temperature   | -20° ~ 60°C (-4° ~ 140°F)                                               |
|                      | Operating Temperature | 0° ~ 50°C (32° ~ 122°F)                                                 |
|                      | Relative Humidity     | 10% ~ 90% (non-condensing)                                              |
| <b>Certificate</b>   | CE                    | CE marked                                                               |
|                      | UL                    | cULus Listed                                                            |
| <b>Software</b>      |                       | EasyBuilder Pro V6.01.02 or later versions<br>EasyAccess 2.0 (Optional) |

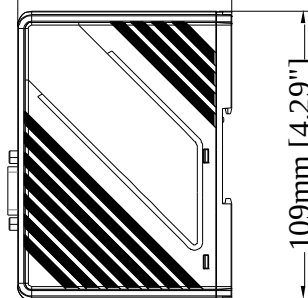
## Dimensions

27mm [1.06"]



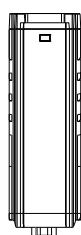
**Front View**

81mm [3.19"]

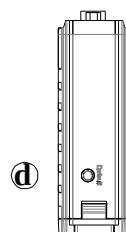


**Side View**

109mm [4.29"]



**Top View**

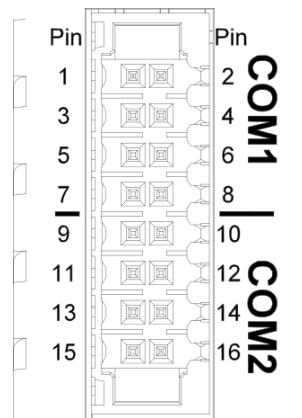


**Bottom View**

|           |                          |
|-----------|--------------------------|
| <b>a.</b> | Ethernet Port (10M/100M) |
| <b>b.</b> | COM1, COM2               |
| <b>c.</b> | Power Connector          |
| <b>d.</b> | Default Button           |

COM1 [RS232-2W;RS-485-2W/4W],  
COM2 [RS232-2W;RS-485-2W/4W],

| PIN# | COM1<br>[RS232]<br>2W | COM2<br>[RS232]<br>2W | PIN# | COM1<br>[RS485] |        | COM2<br>[RS485] |        |
|------|-----------------------|-----------------------|------|-----------------|--------|-----------------|--------|
|      |                       |                       |      | 4W              | 2W     | 4W              | 2W     |
| 1    | RXD1                  |                       | 2    | Rx1-            | Data1- |                 |        |
| 3    | TXD1                  |                       | 4    | Rx1+            | Data1+ |                 |        |
| 5    | FG                    |                       | 6    | Tx1-            |        |                 |        |
| 7    | GND                   |                       | 8    | Tx1+            |        |                 |        |
| 9    |                       | RXD2                  | 10   |                 |        | Rx2-            | Data2- |
| 11   |                       | TXD2                  | 12   |                 |        | Rx2+            | Data2+ |
| 13   |                       | FG                    | 14   |                 |        | Tx2-            |        |
| 15   |                       | GND                   | 16   |                 |        | Tx2+            |        |



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