

# **Pocket Portal IIoT Bridge**



### <u>SE-PB100</u> \$89.00

Stride Pocket Portal IIoT Bridge

#### **Features**

- Wireless Industrial IoT end-to-end solution to log your data in the cloud
- Faster Monitoring: Unmonitored assets can get connected and become monitored assets in minutes
- **Remote Control**: Write to Modbus coils, registers, or 3.3–24 VDC digital outputs using the mobile app
- **Reduce Costs**: Enterprises can implement IIoT capabilities without needing technical expertise and without modifying equipment
- **Retrofit Solution**: Industrial controls, commercial buildings, retail spaces, or factories can be entirely retrofitted with IIoT capabilities in days instead of months
- Work Smarter: Continuously monitor and optimize asset performance



\* Requires Wi-Fi Internet connection

\* iOS/Android device with Bluetooth needed for provisioning

| Modbus Interface   |                |  |
|--|----------------|--|
| Port Connector 4-pin pigtail connector (shared with power) |                |  |
| Interface Mode   | RS-485         |  |
| Serial Devices Supported                                   | 1 Modbus Slave |  |
| Protocols Supported Modbus RTU Master                      |                |  |

| Local Digital and Analog I/O                  |  |  |
|---|--|--|
| Digital Input/Output                          | 4 Connections configured as Input/Output<br>(3.3–24 VDC) |  |
| Analog Input 2 Analog Inputs (0–10 VDC / 4–20 |  |  |

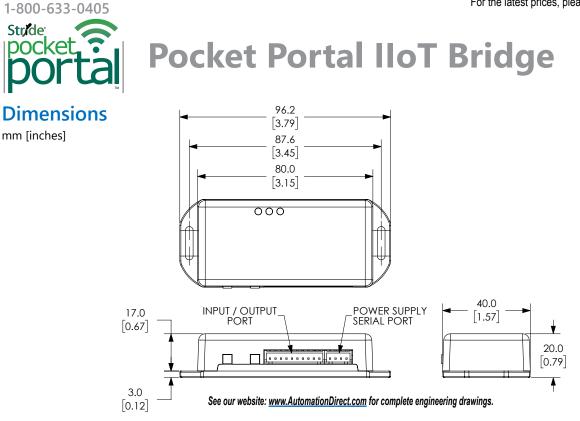
| Wi-Fi Interface for Cloud Connectivity |                      |  |  |
|--|----------------------|--|--|
| IEEE Wi-Fi Standard 802.11 b/g/n       |                      |  |  |
| Speed Up to 72.2 Mbps                  |                      |  |  |
| Frequency Band                         | 2.4 GHz              |  |  |
| Antenna                                | Internal PCB Antenna |  |  |

| Power Details            |           |  |
|--------------------------|-----------|--|
| Input Voltage            | 12–24 VDC |  |
| Max. Input Voltage Range | 10-26VDC  |  |
| Power Consumption        | Max 10W   |  |
| Reverse Power Protection | Yes       |  |
| Overload Protection No   |           |  |

| LED Indicators   |   |  |
|--|---|--|
| Wi-Fi LED  | LED OFF: Wi-Fi not provisioned<br>SLOW BLINK: Connecting to Wireless<br>Access Point<br>FAST BLINK: Connecting to Pocket Portal<br>Cloud Service<br>LED ON: Connected to Pocket Portal<br>Cloud Service |  |
| Power LED  | LED OFF – Power OFF<br>LED ON – Power ON  |  |
| BLE LED<br>(Bluetooth Low Energy,<br>used in initial setup only) | LED OFF – BLE off or not advertising<br>SLOW BLINK – BLE advertising<br>LED ON – Connected to mobile app  |  |

| Environmental                       |   |  |
|-------------------------------------|---|--|
| Operating Temperature Range         | -20 to +70°C [-4 to 158°F]                                  |  |
| Storage Temperature Range           | -40 to +85°C [-40 to +185°F]                                |  |
| Humidity                            | 5 to 85% RH (non-condensing)                                |  |
| Protection Level plastic case, IP40 |   |  |
|                                     | EN 55032 Class A  |  |
| ЕМІ                                 | FCC Part 15 Subpart C (15.247)                              |  |
|                                     | IEC61000-4-2 (ESD): ±4kV (contact), ±8kV<br>(air discharge) |  |
| EMS                                 | IEC 61000-4-3 (RS): 10V/m (80MHz–6GHz)                      |  |
|                                     | IEC 61000-4-6 (CS): 10V (150KHz-80MHz)                      |  |
| Machaniaal Standarda                | IEC60068-2-64 (Random Vibration)                            |  |
| Mechanical Standards                | IEC60068-2-32 (Drop Test / Free Fall)                       |  |
| Agency Approvals                    | CE, FCC   |  |

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## **DIN Rail Mounting Brackets**

The Pocket Portal IIoT Bridge can be directly mounted to a flat surface, with no restrictions on mounting orientation. An optional DIN-rail adapter will allow mounting on a standard 35mm x 7.5 mm DIN rail.

| DIN Rail Mounting Brackets |        |  |
|----------------------------|--------|--|
| Part Number                | Price  | Description  |
| DRA-2B                     | \$6.00 | 35mm DIN rail adapters, 1.70"x0.45"x0.83" [43.7x11.4x21.0 mm], 2pcs/pkg. |





**NOTE:** Installation in a metal cabinet is not recommended, as the cabinet may block the Wi-Fi signal.

## **Data Subscriptions**

Each Pocket Portal IIoT Bridge requires a Pocket Portal monthly data subscription. Subscriptions are available at <u>https://www.pocketportal.com</u>.

| Pocket Portal Platform Subscriptions |   |  |  |
|--------------------------------------|---|--|--|
|                                      | <u>SE-PP5M</u>  | <u>SE-PP500K</u>                               |  |
| Price                                | \$15.50/mo.*  | \$8.25/mo.*                                    |  |
| Description                          | Data Logging and Notify Gold<br>Subscription                              | Data Logging and Notify Silver<br>Subscription |  |
| Subscription Duration                | Monthly or Annual Up to 23% discounts available for annual subscriptions. |  |  |
| Supports                             | (1) STRIDE Pocket Portal IIoT bridge                                      |  |  |

\* Available for purchase only on the Stride Pocket Portal platform at <u>https://www.pocketportal.com</u>. Details and limits for each subscription are available on the Pocket Portal platform.

