



Pocket Portal IIoT Bridge



SE-PB100 \$90.00

Stride Pocket Portal IIoT Bridge

Features

- **Wireless Industrial IIoT 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 (3.3–24 VDC) |
| Analog Input | 2 Analog Inputs (0–10 VDC / 4–20 mA) |

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

Environmental

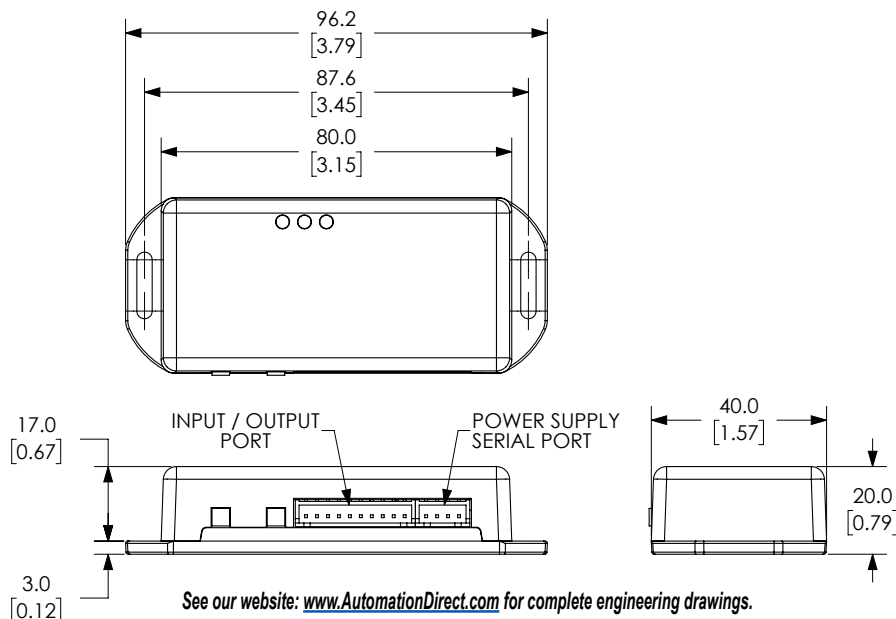
| | |
|------------------------------------|--|
| Operating Temperature Range | -20 to +70°C [-4 to 158°F] |
| Storage Temperature Range | -40 to +85°C [-40 to +185°F] |
| Humidity | 5 to 85% RH (non-condensing) |
| Protection Level | plastic case, IP40 |
| EMI | EN 55032 Class A FCC Part 15 Subpart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



Pocket Portal IIoT Bridge

Dimensions

mm [inches]



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. |



DRA-2B



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 <https://www.pocketportal.com>.

| Pocket Portal Platform Subscriptions | | |
|--------------------------------------|--|---|
| | SE-PP5M | SE-PP500K |
| Price | \$15.50/mo.* | \$8.25/mo.* |
| Description | Data Logging and Notify Gold Subscription | Data Logging and Notify Silver 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 <https://www.pocketportal.com>. Details and limits for each subscription are available on the Pocket Portal platform.

