



# Pocket Portal IIoT Bridge



**SE-PB100 \$93.50**

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

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

### Local Digital and Analog I/O

<b>Digital Input/Output</b>	4 Connections configured as Input/Output (3.3–24 VDC)
<b>Analog Input</b>	2 Analog Inputs (0–10 VDC / 4–20 mA)

### Wi-Fi Interface for Cloud Connectivity

<b>IEEE Wi-Fi Standard</b>	802.11 b/g/n
<b>Speed</b>	Up to 72.2 Mbps
<b>Frequency Band</b>	2.4 GHz
<b>Antenna</b>	Internal PCB Antenna

### Power Details

<b>Input Voltage</b>	12–24 VDC
<b>Max. Input Voltage Range</b>	10–26VDC
<b>Power Consumption</b>	Max 10W
<b>Reverse Power Protection</b>	Yes
<b>Overload Protection</b>	No

### LED Indicators

<b>Wi-Fi LED</b>	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
<b>Power LED</b>	LED OFF – Power OFF LED ON – Power ON
<b>BLE LED (Bluetooth Low Energy, used in initial setup only)</b>	LED OFF – BLE off or not advertising SLOW BLINK – BLE advertising LED ON – Connected to mobile app

### Environmental

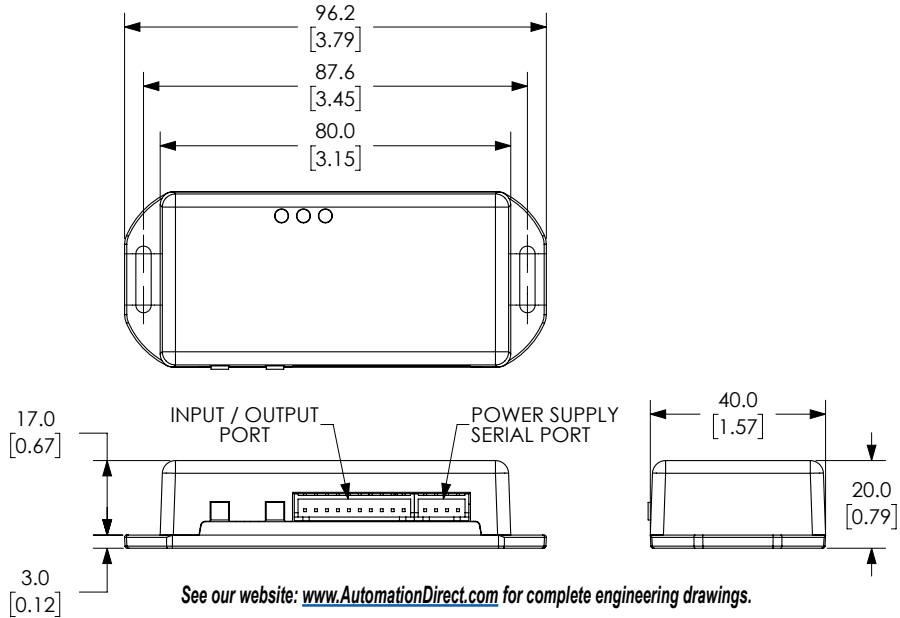
<b>Operating Temperature Range</b>	-20 to +70°C [-4 to 158°F]
<b>Storage Temperature Range</b>	-40 to +85°C [-40 to +185°F]
<b>Humidity</b>	5 to 85% RH (non-condensing)
<b>Protection Level</b>	plastic case, IP40
<b>EMI</b>	EN 55032 Class A FCC Part 15 Subpart C (15.247)
<b>EMS</b>	IEC61000-4-2 (ESD):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

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

