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

SE-PB100

Stride Pocket Portal IIoT Bridge

* 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	802.11b/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	10–26 VDC
Power Consumption	Max 10 W
Reverse Power Protection	Yes
Overload Protection	No

LED Indicators

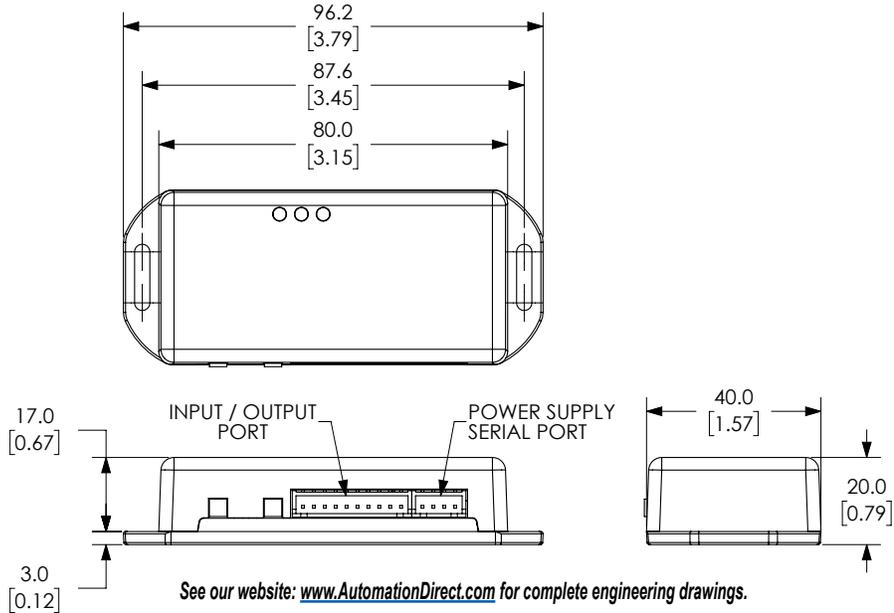| Wi-Fi LED	LED OFF: Wi-Fi not provisioned SLOW BLINK: Connecting to Wireless Access Point FAST BLINK: Connecting to Pocket Portal Cloud Service LED ON: Connected to Pocket Portal Cloud Service
Power LED	LED OFF – Power OFF LED ON – Power ON
BLE LED (Bluetooth Low Energy, used in initial setup only)	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): ±4 kV (contact), ±8 kV (air discharge)
	IEC 61000-4-3 (RS): 10 V/m (80 MHz to 6 GHz)
	IEC 61000-4-6 (CS): 10V (150 kHz to 80 MHz)
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]

96.2 [3.79]
87.6 [3.45]
80.0 [3.15]

17.0 [0.67]

INPUT / OUTPUT PORT

POWER SUPPLY SERIAL PORT

40.0 [1.57]

20.0 [0.79]

3.0 [0.12]

See our website: www.AutomationDirect.com for complete engineering drawings.

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 35 x 7.5 mm DIN rail.

DIN Rail Mounting Brackets		
Part Number	Price	Description
DRA-2B		35 mm DIN rail adapters, 1.70 x 0.45 x 0.83 in [43.7 x 11.4 x 21.0 mm], 2 pcs/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		
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.