# 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** **$448k:**

*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** | 802.11 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 |

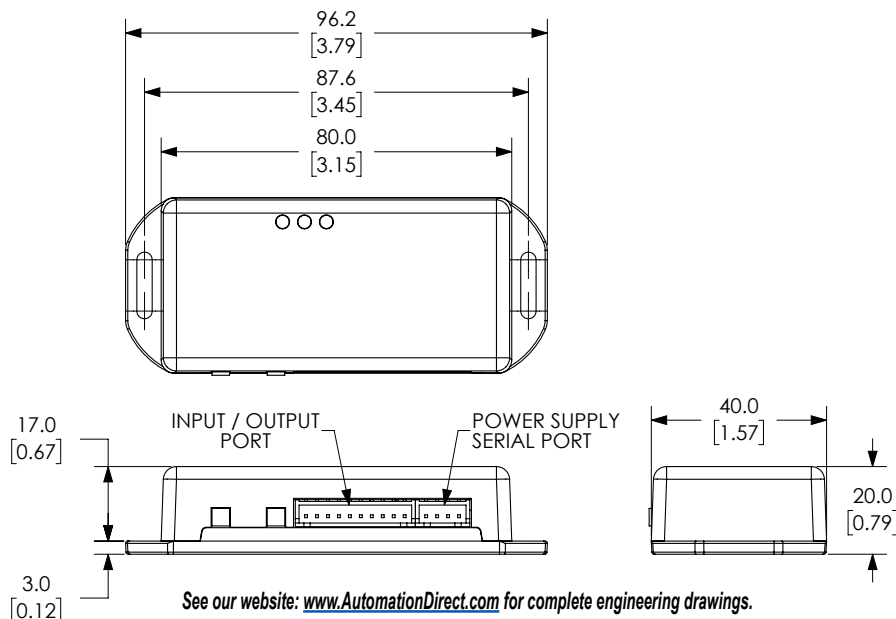| LED Indicators | |
|---|---|
| **Wi-Fi LED** | LED OFF: Wi-Fi not provisioned<br>SLOW BLINK: Connecting to Wireless Access Point<br>FAST BLINK: Connecting to Pocket Portal Cloud Service<br>LED ON: Connected to Pocket Portal Cloud Service |
| **Power LED** | LED OFF – Power OFF<br>LED ON – Power ON |
| **BLE LED**<br>**(Bluetooth Low Energy, 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 |
| **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 |

**Communication Products**    tCMP-50

# 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 35mm x 7.5 mm DIN rail.

| DIN Rail Mounting Brackets | | |
|---|---|---|
| Part Number | Price | Description |
| DRA-2B | $3?e4: | 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 | $4498:/mo.* | $4497:/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.