



SparkBridge One is an innovative data logger and IoT endpoint. It connects new, existing, and legacy devices to the cloud or your own network. Alternatively, use it as a simple data logger to offload data to a USB flash drive.

Ready to go out of the box

Download the SparkBridge app and follow the direction to setup your sensors. You'll have data recording to the cloud and sent to your phone in minutes. A few more clicks and

you'll receive text messages or push notifications of threshold alerts.

Designed for cybersecurity

SparkBridge One was designed from the ground up with cybersecurity in mind. A dedicated IoT security chip ensures your device is trusted and your data is safe from end to end.

Versatile inputs and sensors

SparkBridge One supports a variety of sensors including voltage, current, 4-20mA, pulse/counter, and thermistors. Built-in temperature and barometric pressure sensors provide out-of-the-box environmental data.

MQTT gives you options

Use the SparkBridge Cloud for the simplest setup, or configure the data logger to connect to your existing IoT infrastructure.

Features

- Collects data from voltage, current, pulse, SDI-12, and other sensors
- Low power, low price
- MQTT protocol support
- One touch offload of data logs to USB flash drive
- Built-in temperature and barometric pressure sensors
- Data, alerts, and logs to your phone via SparkBridge app

Applications

- Remote data retrieval
- Standalone data logging
- Cloud enabling legacy equipment

Technical Specifications

Dimensions:	3.87 x 3.5 x 1.25 in	Inputs:	(3) Universal Analog, (1) Serial/SDI-12
Mounting Hole Spacing:	2 x 3 in (C-C)	Analog Inputs:	0-5VDC, 4-20mA, Pulse, Thermistor
Mounting Options:	Panel, DIN Rail		Selectable: single ended or differential
Weight:	5.5 oz	Outputs:	(2) Open Collector Outputs
Supply Voltage:	6-16VDC	4-20mA Supply:	Built-in 4-20mA Loop Supply (24VDC)
Current Draw @ 12VDC:	Sleep: 2.25mA Active: 23mA WiFi: 90mA	Connectivity:	100BaseT Ethernet 802.11 b/g/n WiFi USB Type C
Operating Temp:	-40 to 70C	Built-in Sensors:	Temperature, Barometric Pressure
Log Memory:	> 1 year	IoT Platforms:	AWS IoT, SparkBridge Cloud, Any with MQTT