Starter Kit
Professional

Includes

- Qty. 1 - Modbus RTU Sent.io™
- Qty. 1 - 2xAnalog (4-20mA) Sent.io™
- Qty. 1 - 2xAnalog (0-5V) Sent.io™
- Qty, 1 - 2Smart™ Sent.io™
- Qty 1. - 2Smart™ temperature sensor
- Qty. 3 - SPM-BA-19AH Battery Pack
- Qty. 1 - SPM-MU-3AH MicroUPS

Overview

The Sent.io™ Pro Starter Kit includes four different Sent.io™ I/O configurations, allowing you to use Sent.io™ for just about any application.

The Modbus RTU Sent.io comes with our MicroUPS battery backed up power supply and can be used to connect any 3rd party automation technology to the Whisker.io® cloud. Connect it to a PLC and with just a few minutes of configuration, you can use your mobile phone to remotely monitor and manage the PLC via Modbus tags to control pump run status, reset alarms, monitor error codes and tank levels, change setpoints. We call this technology **LivePLC™** and we promise there is no faster way to get your turn your PLC into an IIoT solution in the world.
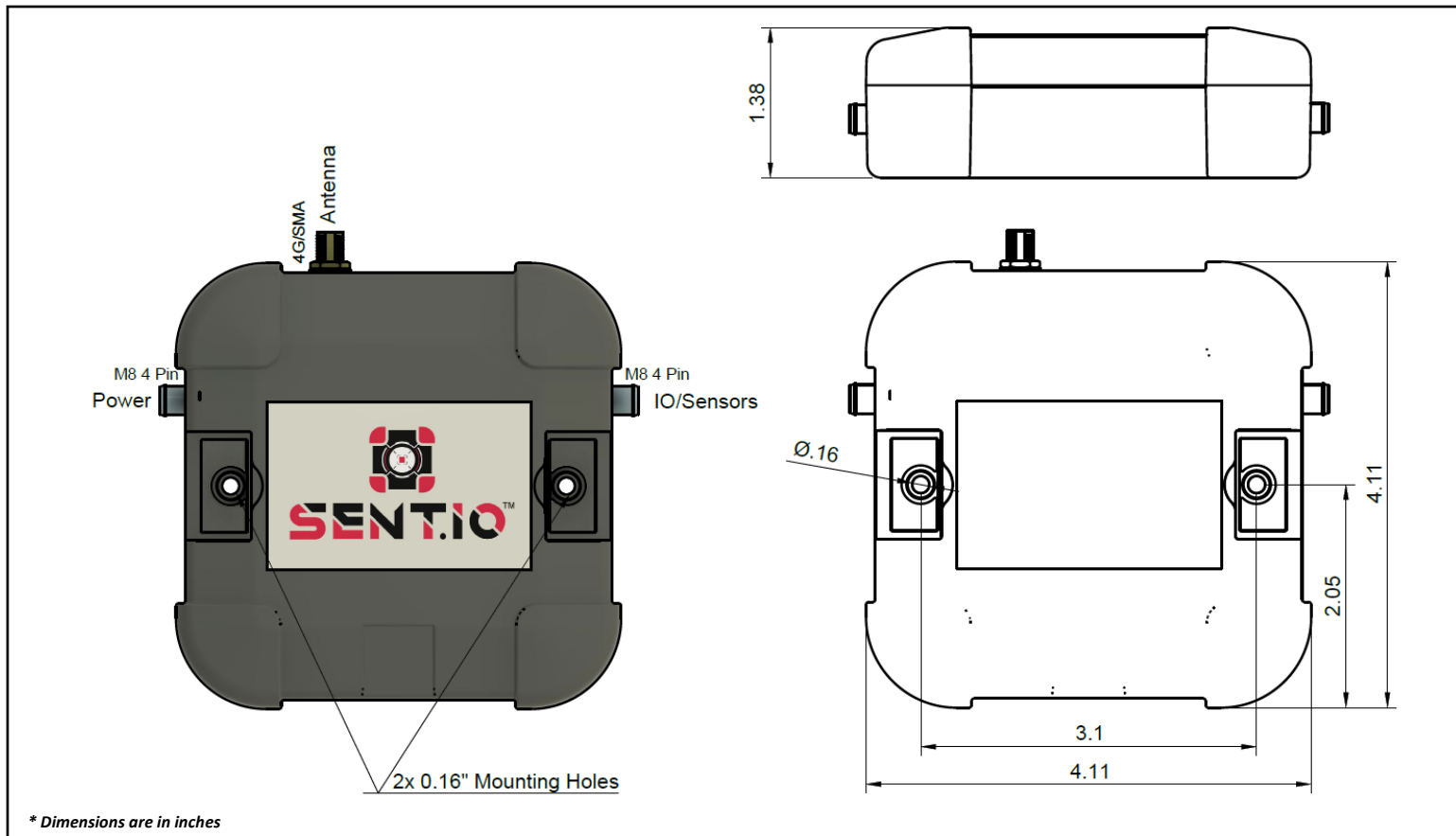
The Analog configurations includes two 4-20mA or 0-5V inputs and comes with a 19AH battery that will power the device for 8 years. For example, connect a pressure transducer and you have a low cost, standalone tank level monitoring solution. It works with any 4-20mA or 0-5V sensor and provides 18V sensor power directly, making it a truly wireless solution.

2Smart™ is a proprietary digital sensor interface designed specifically for battery powered IoT applications and is completely plug and play. This kit comes with a 2Smart™ configured Sent.io™ and a 2Smart™ 3 meter tank level sensor, though it will work with any of our 2Smart™ sensors.

Ordering Info

Part Number	Description
SIO-SK-P01	Professional Sent.io™ Industrial Starter Kit

Mechanical Drawings

4G/SMA Antenna

M8 4 Pin Power

M8 4 Pin IO/Sensors

SENT.IO™

2x 0.16" Mounting Holes

Ø.16

1.38

4.11

2.05

3.1

4.11

Dimensions are in inches

Key Specifications

Parameter	Minimum	Typical	Maximum	Units
Operating Temp. Range	-40		+85	°C
Analog Input Range 4-20mA Analog Input	4		20	mA
0-5V Analog Input	0		5	V
Power Supply (External DC Power Option)	8		32	VDC
Battery Life (Battery Power Option)	2	8	10	Years[1]
Battery Backup (MicroUPS Power Option)		48		Hours[1]
Power Supply Current—Average		50		mA
Power Supply Current—Peak		1		A[2]
2Smart Tank Level Measurement Range	0 0		3 9.84	Meters Feet
Modbus Baud Rate	9600		115200	Bit/sec

Notes: 1. Depends on installed sensors and operating environment

2. Peak current at 3.6V.

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