

# SensorNode Bluetooth®

Robust and rugged Bluetooth® tag with inputs/outputs and I<sup>2</sup>C sensor interface for asset and sensor monitoring applications



## Bluetooth Sensor

Bluetooth® 4.2 for sending asset data to Gateways



## Battery-Powered or Wired

Flexible Power Options – 3 x AA Batteries with up to 4 years battery life or wired to power



## Ultra-Rugged

Weatherproof and ultra-rugged IP67 Housing



## Inputs/Outputs

2 x Analog Inputs, 2 x Digital Inputs



## Sensor Interface

I<sup>2</sup>C Sensor Interface



## Range

Line of Sight up to 195m



## No Ongoing Costs

Does not require SIM or data plan

# Connectivity

Bluetooth Sensor	Bluetooth® 4.2 Industrial Sensor *Bluetooth 5.0 available in some regions
Bluetooth Range - Line of Sight	+8dBm "standard" Bluetooth – 195m +8dBm "long range" Bluetooth – 330m* Transmit Mode is configurable  *Bluetooth 5 variant only
Bluetooth Data	<ul style="list-style-type: none"><li>• Device Serial Number</li><li>• Digital Matter Manufacturer Code</li><li>• Battery Voltage</li><li>• Transmit Power (used with RSSI for range estimates)</li><li>• Temperature</li><li>• State of all inputs</li></ul>

# Batteries

User-Replaceable Batteries	3 x AA
Battery Life	Up to 4 years of battery life
Supported Battery Types	Alkaline Lithium (LiFeS2) - recommended *Please dispose of Lithium batteries in a safe and responsible manner

# Power

Input Voltage	4-6V DC
Sleep Current	<30uA* *2-second beaconing at +8dBm

# Mechanics / Design

Dimensions	135 x 90 x 35 mm (5.31 x 3.54 x 1.38")
Weight	214 g (7.55 oz)
Housing	ABS Polycarbonate Plastic
IP Rating	IP67 rated housing ensures device can withstand fine dust, high-pressure spray, submersion for 30 mins in 1m of water, and extreme temperatures
Installation	Compact and Concealable. Multiple installation options for covertly and easily securing the device to assets with screws, bolts, cable ties, rivets, and more. Caters for a number of cable glands (2 fitted as standard) to allow for waterproof cable entry to the housing.
Operating Temperature	-20°C to +60°C
Diagnostic LED	Diagnostic LED signifies operation status

## Interfaces

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Analog Inputs	2 x 0-30V Analog Inputs, Auto Ranging, 12-bit ADC 0-5V range: 1.22mV precision 0-30V range: 7.32mV precision
Digital Inputs	2 x Digital Inputs
I <sup>2</sup> C	I <sup>2</sup> C (inter-IC communications) is an interface commonly used in sensor modules. Only supports DM temp and temp/humidity probes

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## Integration

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Third-Party Integration	Tag data sent via gateway device. Tag format available so third-party gateways may also be used.
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## Warranty

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Manufacturer's Warranty	One year manufacturer's warranty
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## Certifications

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Please contact us for a full list of compliance specifications and documentation for your region.	Bluetooth® Certified
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