digital matter

FEATURES

- Bluetooth® 4.2 for sending asset data to Gateways
- Line of Sight up to 195m
- 2 x Analog Inputs, 2 x Digital Inputs
- I²C Sensor Interface
- Flexible Power Options – 3 x AA Batteries with up to 4 years battery life or wired to permanent power
- Weatherproof and ultra-rugged IP67 Housing with compact and ergonomic design
- Does not require SIM or data plan

SensorNode Bluetooth®

OVERVIEW

Rugged and feature-rich Bluetooth® tag with inputs/outputs and I²C sensor interface for asset and sensor monitoring applications.

APPLICATIONS

Bluetooth Low Energy Sensor

Cold Chain

Sensor Monitoring

DATASHEET

View more devices at www.digitalmatter.com

CONNECTIVITY

BLUETOOTH® TAG	Bluetooth 4.2 Industrial Tag
BLUETOOTH® RANGE - LINE OF SIGHT	+8dBm "standard" Bluetooth – 195m
BLUETOOTH® DATA	• Device Serial Number • Digital Matter Manufacturer Code • Battery Voltage • Transmit Power (used with RSSI for range estimates) • Temperature • State of all inputs

BATTERIES

USER-REPLACEABLE BATTERIES	3 x AA
BATTERY LIFE	Up to 4 years of battery life.
SUPPORTED BATTERY TYPES	Alkaline Lithium (LiFeS2) - recommended

POWER

INPUT VOLTAGE	4-6V DC
SLEEP CURRENT	<30uA* *2-second beaconing at +8dBm

MECHANICS/DESIGN

DIMENSIONS	L 135 x W 90 x H 35 mm
WEIGHT	214g
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

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
I²C	I²C (inter-IC communications) is an interface commonly used in sensor modules. Only supports Digital Matter's temp and temp/humidity probes

INTEGRATION

THIRD-PARTY INTEGRATION	Tag data sent via gateway device. Tag format available so third-party gateways may also be used.

WARRANTY

MANUFACTURER'S WARRANTY	One year manufacturer's warranty.

CERTIFICATIONS

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

SensorNode BLE