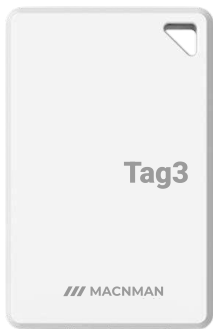


Tag3 Overview



Tag 3 is a compact, high-precision BLE 5.0 sensor tag designed for **environmental and motion monitoring**. It integrates a temperature & humidity sensor, a 3-axis IMU for motion/orientation detection, and a programmable LED indicator for visual feedback.

The ultra-low-power design makes it ideal for industrial, logistics, healthcare, and smart building applications.

Sensors

3 Axis IMU

Temperature

Humidity

Wireless
Technology

UWB

LoRa

Features

BLE 5.2 Connectivity

Low-power wireless link

Intigrated Temperature Sensor

Accurate thermal monitoring

Intigrated Humidity Sensor

Precise moisture tracking

3-Axis IMU

Motion & tilt sensing

Status LED

Visual state indicator

Compact & Rugged

Rugged & lightweight for wearable/asset mounting

Supports MacTalkTM Protocol

Macnman's proprietary local device-to-device actions

Battery Options (Coin Cell)

35–40 mAh

Uplink Modes

Beacon Mode , Connection Mode

Mounting Options

Lanyard, Adhesive, Screw Mount & Magnetic

Technical Specifications

Measurement

Parameter	Value	Accuracy
Temperature Range	-40 °C to +85 °C	±0.2°C
Moisture Range	0–100% RH	±2% (0–53% RH), ±4% (53%+)
Accelerometer Range	±2 g / ±4 g / ±8 g / ±16 g	1 Hz – 200 Hz
Functions	Status, Connection, Error, Battery Alert	

Wireless Specifications (BLE)

Technology	BLE 5.0 (GATT Profile)
Frequency	2.402 – 2.480 GHz (ISM band)
Tx Power	-20 dBm to +4 dBm
Rx Sensitivity	-96 dBm typical
Security	AES-128 encryption

Led Status

LED Type	1 Internal Multi-Color LED
Solid Blue	Device is connected with Maya App
Flashing Blue	OTA (Over-the-Air) update in progress
Slow Blinking Green	Attempting to connect to the App
Single Red Blink	A confirmed parameter of Tag is being modified

Configuration

Configuration	Via Macnman Maya Android App
Maya Fatures	Threshold / Trigger / Sample based alarm triggers
Stored Records *	30,000 Records (accessible via Maya) (optional)
Remote Configuration	Yes - JSON format Data

Physical Characteristics

Power Supply	Inbuilt Battery
Operating Temp	-40°C to +80°C
Humidity Range	0% to 100% RH (non-condensing)
Ingress Protection	IP65 standard (IP67 optional variant)
Housing Material	Glass field Nylon , ABS *
Color	Matte White Matte Black
Weight	~80g (with Battery)
Dimensions	45 mm X 26 mm X 9 mm (customizable branding available)
Mounting Options	Pole Mounting / Wall Mounting / Pocket Friendly

Device Dimensions



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