Blyott Standard Sensor Lite BT-T1 Lite

Start monitoring and locating your assets now

Look no further in your search for one of the most versatile Blyott sensors out there. The BT-T1 Lite tag is a BLE V5.3 compliant module with secure, custom firmware and an easy-to-clean casing.

The BT-T1 Lite helps you keep track of your (mobile) assets and is designed to fulfill all requirements for:

> Asset tracking, logistics, item management, and predictive maintenance use cases.

With optimized and ultra-low power consumption, the tag guarantees an extremely long battery life.

The built-in temperature sensor further enhances the overall functionalities to allow for real-time temperature monitoring, including the support for monitoring cold chain applications.

Finally, a secure operational mode is included and based on an AES-128 crypto algorithm.

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All specifications BT-T1 Lite

General

Battery reference	CR2032 - 210 mAh battery with insulating pull tab
Battery lifetime	Up to 5 years based upon broadcasts every 5 seconds (battery can be replaced)
Broadcasting range	Up to 15 m / 590.55″ (-5 dBm; RSSI @ 12 m / 472.44″ = -100 dBm)
Location accuracy	Depends on the available Wi-FI and Bluetooth[*] infrastructure
Temperature accuracy	Accuracy of +/- 2°C / 35,6°F

[*]The Blyott solution is compatible with Wi-Fi AP's enabled with Bluetooth® technology from various vendors. Bluetooth® is a registered trademark of Bluetooth SIG, Inc.

Physical

Dimensions	38 mm / 1.49″ x 24 mm / 0.94″ x 5 mm / 0.19″
Colors	The casing comes in white
Casing	ABS, highly durable composite structures used in the automotive industry

Chemical and mechanical

Operating temperature	-10°C to +60°C / +14°F to +140°F
Heating for 10 secs duration	+85°C / +185°F
Environmental and chemical properties	IP65, saltwater, salt mist, acetic acid water, carbonated sodium water, sugared water, ethylene glycol, humidity 95% (50°C / 122°F, 24h)
Certificates	BLE, CE, FCC, ISED, RoHS & Reach conform (www.conflictfreesourcing.org)

About Blyott

Blyott is at the forefront of transforming industries with innovative localization and monitoring solutions. Our platform integrates advanced data analytics and AI, supporting various sectors to navigate operational challenges, enhance efficiency, foster staff well-being, and achieve sustainability goals.

EASY TO SET UP
Works in a matter of minutes.

SCALABLE
Scale to millions of assets.

PAY-AS-YOU-GROW
Custom plans are available.

OPEN STANDARD
Integrate using REST APIs and webhooks.

Blyott

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