

Blyott Fixed Locator BT-L1

WI-FI & ETHERNET LOCATOR

Start monitoring and locating your assets now

If your existing Wi-Fi infrastructure doesn't have built-in BLE, the BT-L1 is an excellent option.

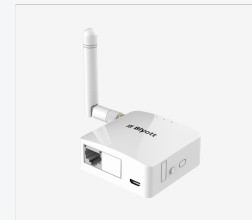
The BT-L1 is pre-configured, works out of the box and includes remote management (OTA).

Based on either BLE MAC address prefixes or BLE manufacturer IDs, the locator only listens to relevant BLE broadcasts, consequently saving overall network traffic.

After picking up BLE broadcasts, data is securely sent to the **Blyott Cloud** — or to an **on-site Proxy Server** for fully on-premises deployments — via either the built-in 10/100 Mbit/s Ethernet port or 2.4 GHz Wi-Fi.

The firmware on the BT-L1 is protected via code signing and secure boot. Communication happens via the MQTT protocol, secured by a TLS tunnel layer. Authentication and encryption are done through X.509 certificates individually assigned to each device and signed by Blyott, so devices can safely be isolated in the unlikely event that certificates should breach.

The device is powered via either USB or PoE and fully configurable via the Blyott Remote Insights Platform (OTA).



AT A GLANCE

Radio	BLE scan · 2.4 GHz
Uplink	Ethernet or Wi-Fi
Backend	Blyott Cloud or on-site Proxy
Power	USB or PoE (5 V – 1 A)

Works out of the box

- 1 Register the BT-L1 on the Blyott Cloud or on-site Proxy Server.
- 2 Plug in the power.
- 3 The device automatically connects to its backend.
- 4 The device starts sending BLE broadcast information.

All specifications BT-L1

GENERAL

Indoor coverage	On average, one BT-L1 per 75 – 150 m ² / 807 – 1615 ft ²
Connectivity	Built-in Wi-Fi (2.4 GHz · 802.11 b/g/n, max 150 Mbit/s) & Ethernet (10/100 Mbit/s)
Backend	Blyott Cloud or on-site Proxy Server — MQTT over TLS, X.509 device certificates
Security	Ensure these ports are open on your firewall or router: TCP/UDP 123, 443 and 8883
Antenna	External Wi-Fi & BLE antenna
Power	Power via USB or PoE-in (5 V – 1 A)
Configuration	Pre-configured to work out-of-the-box with the Blyott Remote Insights Platform
Packaging	Includes antenna & USB cable (power adaptor is not included)

PHYSICAL

Dimensions	50 mm / 1.96" (width) × 50 mm / 1.96" (length) × 20 mm / 0.78" (height)
Colors	White
Casing	PC and 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
Certificates	CE

BT-L1 · V26R01

About Blyott

Blyott — a simac PHI DATA brand — is at the forefront of transforming industries with innovative localization and monitoring solutions. Our platform integrates advanced data analytics and AI, helping healthcare and logistics teams 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.



www.blyott.com

Blyott — a simac PHI DATA brand

Get in touch at

info@phidata.be