

Blyott LuKas USB BLE Dongle and Service

Turn your PCs into BLE locators to track your assets

A Wi-Fi and Bluetooth infrastructure is a prerequisite for BLE asset tracking. But when this kind of infrastructure is unavailable, what is the alternative?

The Lukas USB BLE dongle solves this problem by turning existing hardware, like PCs, into BLE locators so you can still enjoy all the benefits of location tracking even without the typical infrastructure setup.

The Lukas USB BLE dongle and software (Windows service) are the only two things you need to turn any PCs into BLE locators.

Imagine this; a fixed PC is linked to a specific room, Room A. If this PC picks up assets (BLE sensors) in or around Room A, these will be visible in your Blyott dashboard.

Even though this solution doesn't use a standard Wi-Fi and BLE infrastructure, it's still very secure as all PC traffic is redirected to a central proxy locator that Blyott installs. Only this proxy sends data (encrypted) to the Blyott platform over the internet.

You can also install the USB dongle and software at e.g. mobile nursing stations. Use fixed sensors and link these to specific rooms. The mobile PC picks up BLE signals from the sensors, scans for assets, and report these to the Blyott platform with the right location.



Use the LuKas software without the USB dongle

If your PC already has built-in BLE, you can use the LuKas software without the USB dongle, no extra hardware is needed.

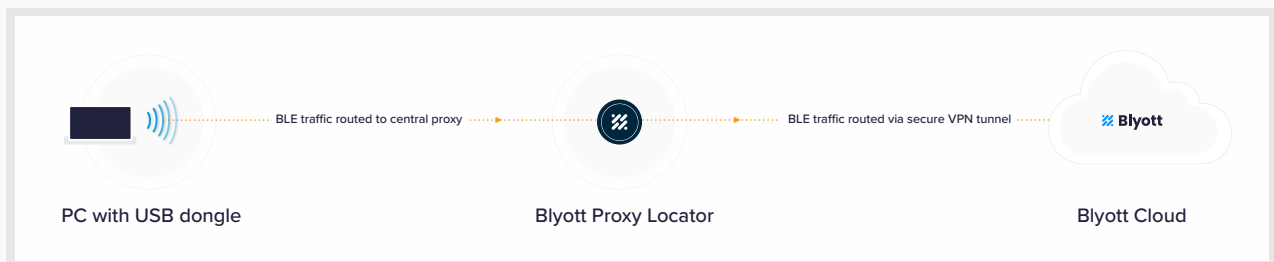
All specifications for the LuKas Service

General

PC	Windows 10 or higher with built-in BLE
LuKas dongle	USB dongle with BLE in case no built-in BLE is available
BLE reading range	Up to 15 m / 590.55" (-5 dBm; RSSI @ 12 m / 472.44" = -100 dBm)
Location accuracy	Depends on the number of PCs with the LuKas Service
Proxy locator	Required, cf. Proxy Locator documentation for more info
Central management	All Windows devices, (LuKas Service) via the Proxy Locator

Infrastructure

Security	Highly secure with end-to-end encryption
Network	Minimum network overhead due to filtering. Only the relevant BLE messages are sent via the PC and the Proxy Server to the Blyott Cloud.



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.



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