

packetNODE

The **packetNODE** BLE Scanner combines Bluetooth® and LoRaWAN® connectivity to collect data from nearby BLE-enabled devices and transmit it over a LoRaWAN® network. The collected data is forwarded through a LoRaWAN® gateway to the packetVIEW dashboard or supported third-party platforms for monitoring and analysis.

Designed for low-power operation, the packetNODE BLE Scanner supports applications such as personnel tracking, indoor positioning, asset management, and environmental sensor data collection. By connecting BLE-enabled devices to a LoRaWAN® network, it helps organizations extend data visibility across operational environments while simplifying the integration of distributed IoT devices.



Features

- **LoRaWAN® protocol** compliant
- Supports **multicast communication**
- **Compatible** with ABP and OTAA activation modes
- **Firmware updates** supported over-the-air (OTA)
- **Remote configuration** of LoRaWAN® parameters via downlink command
- **Low battery indicator**
- **Operates on battery** or direct power supply

Applications

- **Personnel and asset tracking**
- **Indoor positioning** and environmental monitoring
- **Health monitoring** via BLE wearables

Technical Specification

Data Communication Supported

Technology	LoRaWAN® v1.0.4, BLE 5.3
Frequency	ASg23-3
Tx Power	LoRaWAN® v1.0.4 – Max. 20 dBm BLE 5.3 – Max. 8 dBm
Sensitivity	-130 dBm @ SF12
BLE Communication Distance	Up to 50m in free space

Electrical

Power Supply	Micro USB with 5V Adapter
Backup Power	Rechargeable Battery
Battery Characteristics	LiFePO ₄
Operating Current	< 180mA

Application

IP Rating	IP55
Operating Temperature	-10 °C to +60 °C

LoRa Alliance Member

packetworx
WE CONNECT THINGS

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