

NETRUNR

Secure | Reliable | Powerful



Scalable Bluetooth Gateway

Connect, control and manage your Bluetooth Low Energy (BLE) devices with a Netrunr gateway. Using the industry standard Bluetooth Low Energy (BLE) protocol, Netrunr is compatible with thousands of sensors, actuators, beacons and smart devices.

In addition to all the features present in Netrunr B24C, Netrunr E24 offers extended range BLE/Wi-Fi performance. Four LAN ports provide additional local connectivity. Radio capabilities (4G-LTE, LoRaWAN, etc) can be expanded through the mPCI-express slot. The micro-SD card slot provides local storage and significantly enhances autonomous operation.

Robust RF performance is provided by the use of external antennas. The tough metal enclosure with ceiling mount capabilities is ideal for commercial and factory deployments.

Features

- IP connectivity for BLE devices
- Scalable operation
- Open API
- Wi-Fi and LAN interfaces
- Secure with TLS support
- Simple gateway provisioning

Benefits

- No smart-phone required
- Autonomous or cloud operation
- Multi-vendor compatibility
- Ease of connectivity to IT services
- Industrial grade security
- Simple deployment

Solutions



Retail



Beacons



Livestock



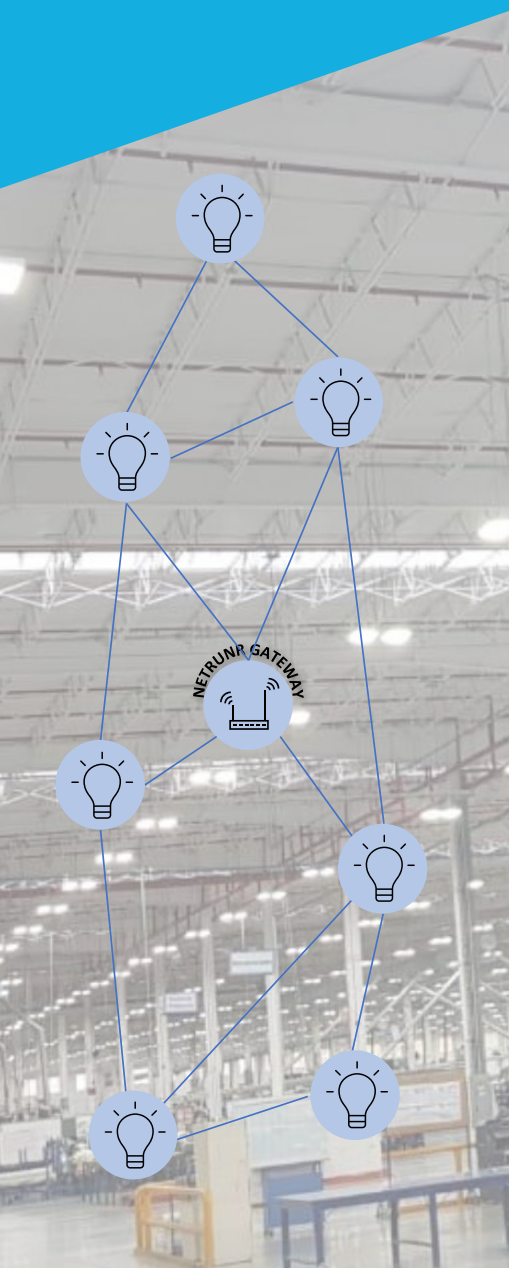
Lighting



Sensors



Asset Tracking



Software Stack

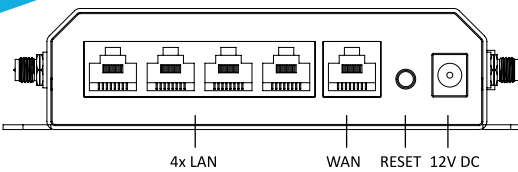
Netrunr gateways use the MQTT protocol to connect the radio stack with the application logic. Netrunr can host the MQTT broker and the application logic to create an autonomous system, or can operate as a micro-service on your LAN network, or as an end-node of a full-fledged secure cloud application.

Netrunr leverages the power and continuous availability of external services to multiply the value to its connectivity options. Cloud services unify access, and enable device mobility (roaming). Both new and existing BLE devices can be targeted to exploit the cost economics, low power, and security benefits of the BLE ecosystem.

Cloud services can trigger Notifications and SMS messages when critical conditions are detected.

Robust Performance

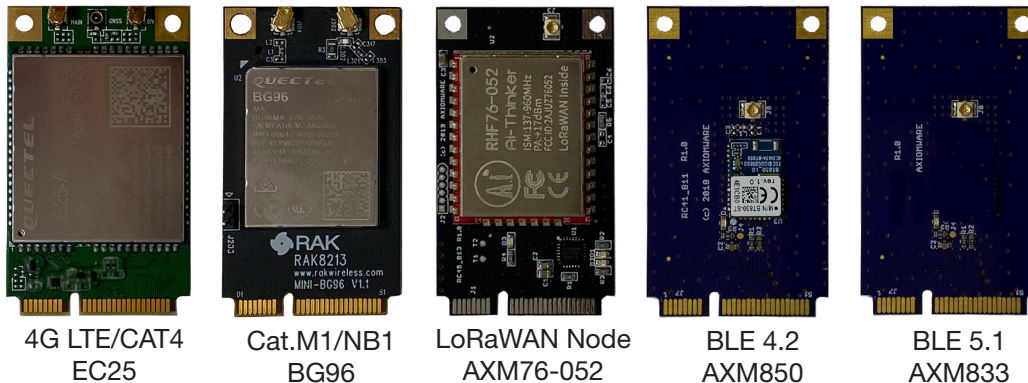
The low-power fanless design and the use of read-only file system for critical data and operating system ensures reliable and predictable operation. All gateways have built-in support for FOTA (Firmware Over The Air) updates.



Specifications

- BLE 4.2+(Upgradeable to 5.1)
- Wi-Fi 802.11 b/g/n – 2.4 GHz
- 4x External Antenna
- 100 Mbps Eth. (4x LAN + WAN)
- Micro SD Card for local storage
- SIM card slot
- 1x mPCI-Express slot available
- Power: 12V, 0.5 A DC
- 5.5 / 2.1 mm Barrel Connector

mPCI-express expansion options (1 slot)



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