

BLE GATEWAY

Discover the Power of Connectivity with **BLE Gateway**!

Our BLE Gateway seamlessly bridges Bluetooth-enabled sensors to the cloud, enabling real-time monitoring and data analysis. Compact yet powerful, it gathers crucial data like temperature, humidity, and more and transmits it effortlessly to your systems, helping you make smarter decisions. The board we are using is nRF5340Dk.

FEATURES

- Low Power Consumption
- Wireless connectivity
- Data Aggregation
- Real-Time Monitoring
- Firmware Over-The-Air
- IP66 & Compact Design
- 100+ Nodes Connected
- Range up to 1km at line of sight



SPECIFICATIONS

Input Voltage Range	5V-30V
Mic and a connector	On Board
Flash Memory	On Board
Sim Card &SD Card	On Board
GSM Module	GSM Module (on board)
Bluetooth Antenna	On Board
Connectors	One SPI, One I2C, One UART
Bluetooth Version	BLE 5.4
Processor	Dual-Core Arm Cortex-M33
Storage	512RAM+1MB Flash
GPS Module	On board (External)

APPLICATIONS

- Smart Agriculture & Precision farming
- Logistics and asset tracking
- Industrial equipment and health monitoring
- Healthcare wearable data collections
- Home Automations and energy management

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ENCLOSURE SPECIFICATIONS

Material	Acrylonitrile Butadiene Styrene (suitable for outdoor use)
Ingress Protection	IP65 (dust-tight, protected against low-pressure water jets)
Dimensions	200*200*63.5 mm
Weight	1.45kg
Color	Glossy White (for minimal solar heating)
Mounting Options	Pole-mount with stainless steel brackets
Cable Entry	Weather-sealed PG7 / PG9 glands for sensor & power cables
UV Resistance	Rated for > 5 years outdoor exposure
Antenna Support	External SMA connector provision for GSM/LTE/GPS antenna

