

BLUETOOTH (WiFi+ETHERNET) IoT INDOOR GATEWAY

Overview

NetOP Bluetooth Gateway (WiFi+Ethernet) IoT Indoor Gateway is an advanced gateway that enables fast time-to-market solutions for a wide range of IoT applications by using Bluetooth Technology. The gateway reads iBeacon and Eddystone like beacon or customized Tag format and sends to local TCP server or internet HTTP/MQTT server. User can configure the transmit period and server information through a simple HTTP API.

Key Features

- Works with either Ethernet or WiFi
- Support WebSocket/HTTP/MQTT protocol
- Real plug and play
- Easy to mount and install
- Maintenance free – install & forget
- Certifications: CE



Communication Specs (BLE)

- Bluetooth Smart (BLE) technology, based on NRF52832
- Bluetooth with on board PCB antenna
- Bi-direction: Reads message advertised from BLE devices and/or advertise command to BLE devices (not standard, by request)
- 30M range in open space

Communication Specs (WiFi)

- WiFi is based on ESP32 Support 802.11 b/g/n/e/i (802.11n, Speed 150 Mbps)
- 2.4GHz frequency band
- Transmit power: +20dBm @802.11b / +14dBm @802.11n
- WiFi data rate up to 150Mbps
- WiFi with on board PCB antenna
- HTTP API for configuration
- Connect to Cloud server or local server
- 100M range in open space

Communication Specs (Ethernet)

- Full-duplex 10-BASE-T/100BASE-TX transceiver and supports 10Mbps (10BASE-T) and 100Mbps (100BASE-TX) operation.
- 15W Power Over Ethernet Meets IEEE 802.3af Specifications

Mechanics

- Enclosure: ABS Indoor (Black & White Color)
- Dimensions: 72mm x 74mm x 20mm
- Operating temperature: -20°C to +60°C

Input Power

- DC 5V/1000mA, micro-USB or Standard POE 48V

Indicators

- Green: Blink when it starts
- Yellow: Turn on when it got IP address

Specifications

Bluetooth Version	:	4.0
External Memory	:	No
Available Accessories	:	Power Adapter, USB Cable, Antenna
Protocols	:	Support Web Socket/HTTP/MQTT protocol

Certifications & Reliability

- CE
- Bluetooth® SIG certified
- EN 62479
- EN60950
- EN 301 489-1
- EN 301 489-17
- EN 300 328

Applications

- iBeacon/Eddystone/tag receiver for location tracking
- BLE sensor reader for sensor network
- Building/Home/Industrial automation
- Health and wellness monitoring
- Access management and Advertisement
- Indoor Location
- Parking & Checking in and many more....