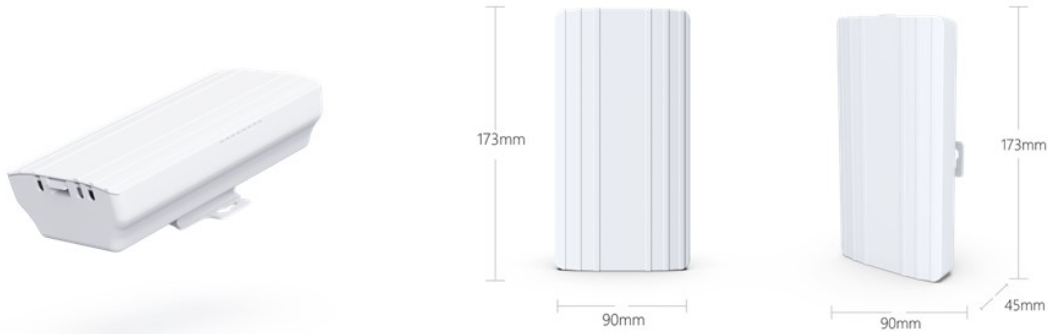




## PYG01 BLE-Ethernet-WiFi Gateway



PYG01 Outdoor Bluetooth Gateway is an industrial-grade Bluetooth 5.0 gateway that provides true long-range Bluetooth 5.0 communication and reliable cellular/Ethernet/WiFi connectivity for IoT devices. PYG01 beacon gateway collects the data from iBeacon, Eddystone, BLE sensor or other BLE devices, and upload data to the local or remote cloud server by MQTT/HTTPS protocol over 3G/4G, ethernet, Wi-Fi or WiFi hopping. And it also support update the KKM beacons parameter remotely. It extends the reach of beacons, sensors and tags by collecting data over BLE and sending it to cloud/local servers

### Product Specification

| Item                  | Description   |
|-----------------------|---|
| Power                 | POE or DC 5V  |
| Scanning Ability      | >240 beacons per second   |
| Wireless Distance     | BLE 4.0/4.1/4.2: 150 meters   BLE 5.0: up to 900 meters in open space<br>(depends on environment) |
| Transmitting Way      | Ethernet, WiFi, WiFi hopping  |
| Transmitting Protocol | HTTPS, MQTT   |
| Installation Way      | Screw   |
| Waterproof/Dustproof  | IP54 (outdoor use design)   |
| Material              | ABS   |

➤ Water proof-IP54/Sun proof





- BLE5.0 Long distance Feature
- BLE distance: > 150 meters in open space
- Open protocol: Local server or HTTPS/MQTT to cloud
- Bi-directional: reads advertisement data and sends command (update beacon parameters from cloud)
- Configuration: Web portal and phone portal
- Transmit: ETH/Wifi/Wifi-hopping
- Power: 5V DC or ETH PoE(802.3af)
- Base on latest OpenWrt 18.29
- BLE chip: nRF52840
- With 3dBi flexible FPC antenna
- Up to 150 Mbps PHY data rate
- Built-in RTC and NTP support
- 1T1R 2.4GHz frequency band
- IEEE 802.11b/g/n
- Supports 802.3af PoE standard
- Supports firmware upgrade Over-the-Air
- Supports remote configuration
- POE status LED indicator
- Data usage monitoring

