

Existco G1 BLE Bluetooth 5.0 RfID Gateway with Wifi

Existco G1 BLE Bluetooth 5.0 RfID Gateway with Wifi is a Bluetooth 5.0 low energy (BLE) to Wi-Fi/ethernet connectivity gateway without the uses of smartphones or apps. The G1 gateway collects the data from iBeacon, Eddystone, BLE sensor and other BLE devices and then sends to the local server or remote cloud server by MQTT / MQTT over SSL/TLS /HTTP/HTTPS protocol over Wi-Fi / Ethernet. The user is easy to configure the G1 gateway via a very simple web UI and support batch configuration.



Specification

- Supports input with DC5.0V, 1A, micro-USB
- Power Supply: 802.3af/at PoE or 5V, 1A DC adapter
- Supports firmware upgrade Over-the-Air /USB
- Protocol: MQTT/MQTT over SSL/TLS or HTTP/HTTPS
- Operating temperature: -25°C to 65°C
- Network: Ethernet/WiFi

WIFI

- Wifi module based on the Mediatek's MT7628 575MHz 32-bit Application Processor
- 2T2R 2.4GHz with 300Mbps PHY data rate, 802.11b/g/n WiFi
- Two USB 2.0 Host Connectors and one TF Card slot
- 128 Mbyte 16-bit DDR2 RAM
- 16 Mbyte SPI NOR Flash
- RGB LED strip as the status indicator

BLE

- BLE module based on the Nordic's nRF52832 with ARM Cortex -M4 64MHz 32-bit processor
- At least Bluetooth 4.0 (Only Bluetooth Low Energy)

Typical Application

- iBeacon/Eddystone/other BLE tag receiver
- BLE sensor reader/receiver
- Asset tracking
- Access control management
- Advertisement promotion
- Indoor location and position
- Industrial automation

Parameters

General Information

Color	White
Size	150x150x36mm
Net Weight	180g
Accessory	1xUSBCable,mental fixing and screws

BLE RF Performance

Transmission Power	Ranges from-30to+4dBm
RF Power Accuracy	+/-4dB
Maximum Received Signal Strength at<0.1% PER	0dBm
Frequency Deviation	+/-250kHz@BLE
Antenna	Flexible FPC antenna
Scanning & concurrently process	200 BLE devices per second
Range	up to 300 meters in open space
Receiver Sensibility	-108dBm@250kbps,0.1%BER -93dBm@1Mbps,0.1%BER