



BLE Mesh and WIFI gateway

FI-B Gateway

Model No : SG-02X



Spintly's FI-B Gateway bridges the gap between your Spintly reader and the cloud via Internet. This unit enables the Spintly devices to communicate to the Spintly cloud to safely store your access data and enable remote operation.

FEATURES

- Bluetooth Low Energy (BLE) Mesh + Wi-Fi gateway
- Supports over 1000 BLE mesh nodes
- Long Range BLE Radio
- Hardware designed to be scalable with future technologies.
- Built in RTC and NTP support
- LED string as a status indicator
- Supports for OTA(Over-The-Air) updates
- Web based UI for configuration.
Ceiling mountable

BLE

- Bluetooth 4.2
- Onboard power amplifier for extended range
- Up to 300 meters in open space



WiFi

- Up to 100m range in open space
- Web-based UI for configuration
- 802 b/g/n/ac wireless LAN
- 2.4GHz + 5GHz Dual-band frequency



FI-B Gateway Specifications

- Voltage Rating:** 5V DC
- BLE Version:** 4.2
- BLE Communication Distance:** 300mtrs LOS
- Operating System:** Linux
- Colour:** Black
- Mounting:** Wall and Ceiling Mount
- Dimensions:** 10mm x 160mm x 35mm
- Housing Material:** ABS
- Operating temp:** -10 to +60°C
- Certifications:** FCC certified, RoHS compliant

General Information

Model Name	SG-021	SG-022	SG-023
Current Draw - Peak	300 mA	1000 mA	1000 mA
Current Draw - Average	120 mA	600mA	600mA
WiFi Standard	IEEE 802.11b/g/n	IEEE 802.11b/g/n/ac	IEEE 802.11b/g/n/ac
Processor	ARM11 core @ 1GHz	Quad core Cortex A72 64bit @ 1.5Ghz	Quad core Cortex A72 64bit @ 1.5Ghz
RAM	512MB	2GB	2GB
Ethernet LAN	N/A	Yes	Yes
Power Over Ethernet(PoE)	N/A	N/A	IEEE 802.3af 15W

Security

- AES 128-bit encryption on bluetooth mesh communication
- TLS 1.2 for communication between Spintly cloud and gateway

System Compatibility

Compatible with all Spintly Device



FI-B Gateway Specifications



LED Indication Legend

Status LED	Solid Red	Power ON
	Solid Blue	Connected to Cloud
	Solid Purple	Wi-Fi configured but not connected
	Blinking Purple	Wi-Fi not configured
	Blinking Red	Access point mode
	Blinking Blue	Wi-Fi connected but not connected to cloud
Wi-Fi/Ethernet LED	Solid Blue	Good Wi-Fi signal strength
	Solid Purple	Average Wi-Fi signal strength
	Solid Red	Weak Wi-Fi signal strength
	Blinking Purple	Wi-Fi not configured
	Blinking Blue	Ethernet LAN connected
BLE LED	Solid Blue	Bluetooth ON

Applications

- Access Control Solutions
- Smart Buildings Solutions
- Smart Lighting Solutions
- Asset Tracking Solution
- Smart Homes Solutions
- Indoor Positioning Solution