GATEWAY V2

Operation Overview

The GATEWAY V2 provides a local connection that serves BAND V2s where the cellular signal that the BAND V2s would normally use is either weak or non-existent.

Data from the BAND V2s is encrypted and sent over BLE to a nearby GATEWAY V2 which they will then forward the information to the cloud platform. Data can also be sent from the cloud platform to the BAND V2 via the GATEWAY V2. This is important for changes made in the software such as alert thresholds or assigned users.

The BLE signal that links the GATEWAY V2 and the BAND VB2 is a high strength signal which has a line of sight distance of 400m.

Network Requirements

Many Corporate IT departments have strict network rules which can prevent the GATEWAY V2 from functioning properly. The MAC address for each GATEWAY V2 can be found on the Organization Page in the software. Please refer to the table of requirement below to ensure your network will allow for proper functionality.

Traffic Type	Port	Endpoint
MQTTS (TCP)	8883	iot.slatesafety.com
HTTPS (TCP)	443	https://slatesafety-v2-jobs-988961575222.s3.us-east-1.amazonaws.com
HTTPS (TCP)	123	time-a-g.nist.gov and pool.ntp.org

Network Connection

The GATEWAY V2 can connect to the internet using a network cable plugged into the Ethernet jack on the back of the GATEWAY V2 or a local Wi-Fi connection. The Ethernet connection is the most reliable and simple to set up.

Wi-Fi is an option if there is no network cable available. The Wi-Fi setup can be found in the support documentation online at https://slatesafety.com/how-to-use-gateway-v2

If Wi-Fi is used as the connection method, care should be taken to update the password that is stored on the GATEWAY V2 if it ever changes.

Accessories and items included in the box

GATEWAY V2	Networking Device for BAND V2 Connectivity
GATEWAY V2 Power Brick	5V Wall Adapter
Mounting Hardware	1 Wall Mounting Plate
	4 Mounting Screws
	1 Optional Double-Sided Adhesive
Power Cable	USB A to Micro USB Cable

Device Specifications

Input Voltage	5VDC
Max Input Power	5 W
Weight	212g
Dimensions	139.7x106.7x45.7mm
Cloud Connectivity	Ethernet / Wifi (2.4GHz)
BAND V2 Connectivity	BLE (2.4GHz)
Operating Temperature, Humidity	-20C to +55C, 5% to 95% relative humidity (non condensing)
Storage Temperature	0C to +45C