ULTRAGATEWAY-4G

UltraLink Gateway with 4G Cellular Connectivity

Bluetooth® NLC DLC LISTED FC Technology Partner **SILVAIR**

The UltraLink Bluetooth Wireless Gateway with 4G connectivity is required when the user wants advanced features and time-based events in remote areas or facilities restricted by local network security policies. One gateway will control up to 200 fixtures with UltraLink, allowing for energy monitoring, people tracking, and scheduling. It allows control via an Astronomical Time Clock and GPS coordinates to know exactly when the sun rises and sets. It connects to a Bluetooth mesh network and it can be accessed with the UltraLink web portal or iOS app for initial design, setup, and configuration.

TECHNICAL SPECIFICATIONS

- Computing: 800 MHz, 32bit ARM Cortex with 512 MB RAM.

- Storage: 8GB eMMC.

- Sensor Interfaces: Bluetooth® 5.1 with extended range, Ethernet, WiFi, Wirepas.

- WAN Connectivity: 10/100 Ethernet with PoE 802.3af, Wi-Fi 802.11a/b/g/n/ac, Cellular Cat 1 LTE (4G) with 2G/3G fallback.

- Cellular: 2G/3G/LTE (4G) - 3FF Micro SIM slot.

- Antennas: Dual external dipole antennas, 5.0dBi.

- Security: Supports Bluetooth® Low Energy secure connections, encrypted file system & secure boot.

- Operating Temperature Range: 0°C to +60°C (32°F to +140°F).

FEATURES

- Simple, Flexible, Extended Connectivity: Bluetooth® 5.1, 802.15.4, mesh, Wi-Fi, Ethernet, Cellular. Outbound and inbound amplification significantly increases connectivity range.

- Easy Management: Web portal and iOS app access for configuration, monitoring, and alerts.

- Multi-Level Security: Hardware security module, encrypted file system, secure BootSensor.

- Edge-Computing: Reduced latency and better management of the data being generated by IoT devices & sensors.

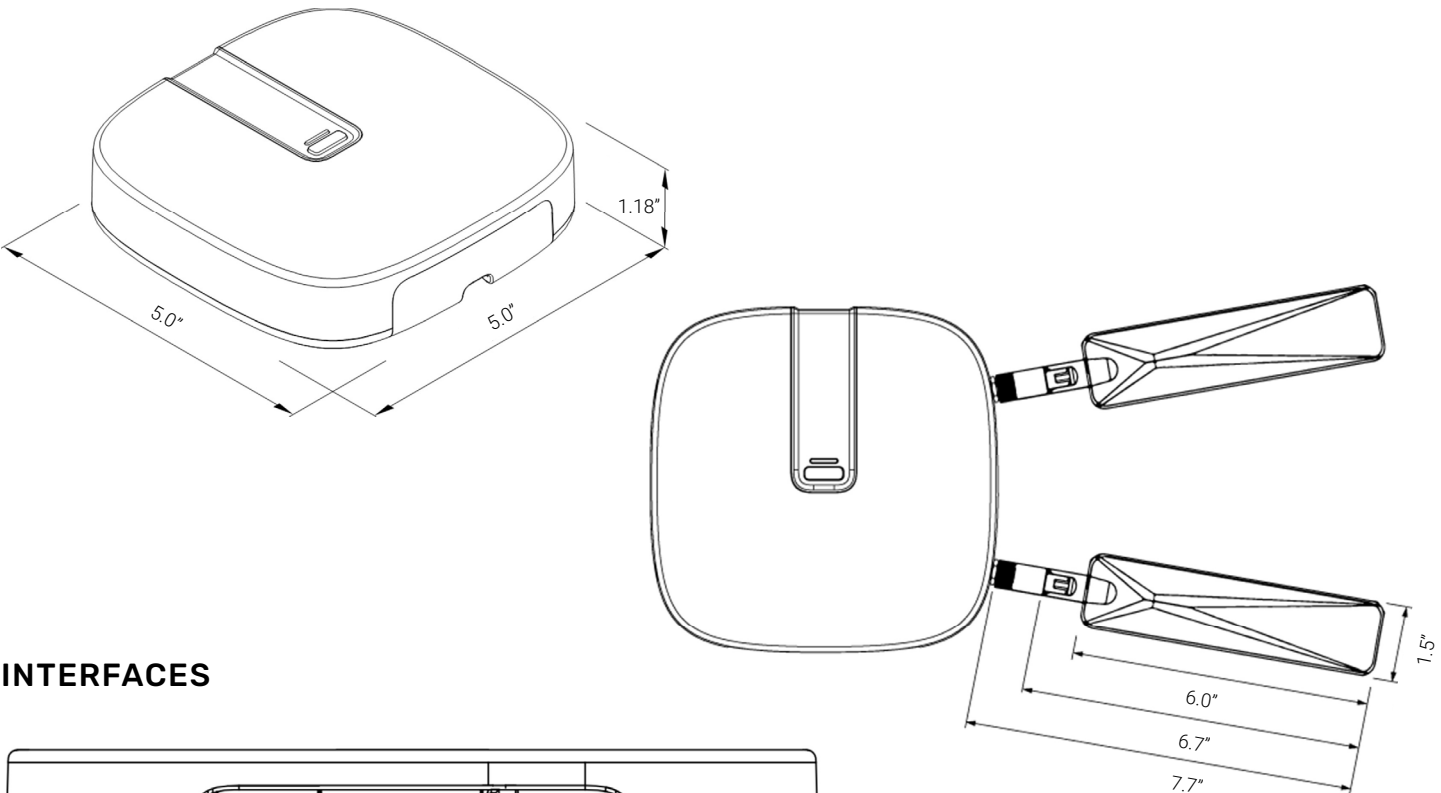- Suitable for indoor use only.

- Technology partner Silvair.

LISTINGS

- FCC, IC, CE, RCM.

TRUSTED WARRANTY · NLB NATIONAL LIGHTING BUREAU

5 YEAR PRODUCT WARRANTY

ORDERING

Part Number	Description
ULTRAGATEWAY-4G	UltraLink Bluetooth NLC Wireless Gateway, RJ45 Ethernet Connector and SIM Card Slot for 4G Cellular Connectivity, PoE or 120V AC Power Adapter, Long Range Bluetooth Mesh, Hardware Security Module, Encrypted File System, Secure Boot, Interior Installation Only.

DIMENSIONS & DRAWINGS

INTERFACES

1. Single 10/100 Base-T Ethernet connector with PoE support.

2. Reset Button.

3. Micro SIM Card Slot (3FF).

4. USB 2.0 Type-A Connector.

5. Power Input (5V DC / 2A).

6. (Two) SMA Type Antenna Connectors.

Reset Button:
Quick press (< 2 seconds) = Soft reboot.
Short press (2-4 seconds) = Network reset.
Long press (10 -15 seconds) = Hard reset.
Very long press (> 30 seconds) = Factory reset.

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