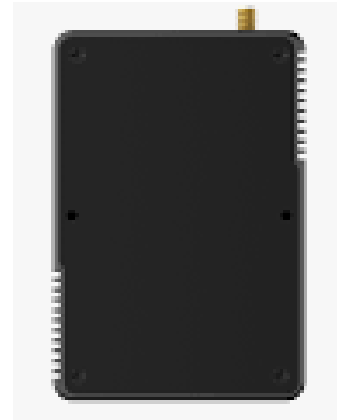




Lora Monitoring Gateway

Robust 8-Channel Lorawan HUB

Product Overview

The **Bastet LoRa Rodent Monitoring Gateway (Model UGLW01)** is a robust, industrial-grade 8-channel indoor LoRaWAN gateway designed to act as the central communication hub for large-scale pest control deployments. Utilizing the high-performance Semtech SX1302 chip and a quad-core industrial processor, it supports connectivity for thousands of LoRa sensors (PIR, Trap, etc.). Its long-range coverage (up to 15 km line-of-sight) makes it ideal for warehouses, manufacturing plants, and large office complexes, providing real-time data backhaul via Ethernet, Wi-Fi, or optional Cellular (4G) connectivity to the Bastet IoT Platform.

Key Features

- **High-Capacity LoRaWAN:** Equipped with the SX1302 chip, supporting up to 8 half-duplex channels and connecting over 2000 end-nodes.
- **Extended Coverage:** Offers long-range connectivity, up to 15 km line-of-sight, ensuring comprehensive coverage across large facilities.
- **Multi Backhaul Connectivity:** Supports flexible internet connectivity via Ethernet, internal Wi-Fi, and optional Cellular (4G/LTE) backup.
- **Rugged Industrial Design:** Housed in a durable metal enclosure, rated IP30, suitable for various indoor industrial applications.
- **Secure and Easy Deployment:** Supports multiple VPN protocols (IPsec/OpenVPN/L2TP/PPTP) and integrated network servers for simplified deployment.

Technical Specifications

Parameter	Specification
Product Name	LoRa Rodent Monitoring Gateway
Model Code	UGLW01
CPU	Quad-core Industrial Processor
LoRa Chipset	Semtech SX1302
LoRa Channels	8 Half-Duplex
Frequency	Supports multiple LoRaWAN bands (e.g., EU868, US915, AU915)
Backhaul Connectivity	Ethernet (10/100 Mbps), Wi-Fi (2.4 GHz), 4G LTE (Optional)
Network Protocols	MQTT, HTTP, HTTPS, SNMP, VPN (IPsec/OpenVPN)
Power Supply	802.3 af PoE Input or 5V/2A (USB-C Port)
Typical Power Consumption	1.8 W
Dimensions (L x W x H)	110mm x 75mm x 24mm
Enclosure	Metal, Black
Ingress Protection	IP30
Operating Temperature	−20°C to +60°C
Certification	CE, FCC, RoHS
Warranty	2 Years