

# Haxiot HXG1000 Outdoor Gateway



Haxiot HXG1000 Outdoor Gateway provides customers with a carrier grade product for the deployment of LoRaWAN™ Internet of Things networks outdoors. The HXG1000 gateway has an IP67 enclosure for harsh outdoor environments. High receiver sensitivity provides coverage and capacity for 1000's of LoRaWAN Internet of Things devices. Supports multiple regions with modular LoRaWAN gateway card.

The HXG1000 is suitable for public or private LoRaWAN IoT deployments. Easily add external solar systems to provide added resilience. Secure Boot OS provides added level of protection. Auto-configuration of the HXG1000 with Conductor NS cloud platform for easy deployment.

## Product Overview

- Modular gateway to support LoRaWAN for different frequency bands
- Environmentally toughened aluminium enclosure tested to withstand harsh environments
- Capacity for up to 1.5 million messages per day
- PoE power for single-cable installation
- Support for multiple Network Servers including Haxiot Conductor NS
- +3dBi 900-930Mhz omnidirectional antenna
- 2kV lightning protection
- Pole mounting kit and antenna included
- Automatic 3G/LTE backup (optional)

## Key Features



Conductor NS Cloud-Ready



High Sensitivity Receiver Design



AES encryption to Network Server  
Secure Boot OS



Ruggedized IP67 Enclosure  
Industrial Temperature Rated



DC Solar Backup (optional)



POE+  
Single Cable Install

### SIMPLE DEPLOYMENT

The HXG1000 NS has been designed for simplified gateway deployments. PoE install with single cable and auto-connect to Conductor NS. Available with outdoor installation kit including antenna & pole mount

### RELIABLE

Superior reliability with ruggedized IP67 enclosure. IEC62305 lightning protection.

### Key Features

Modular supports multiple frequency bands  
GPS Localization  
Up to 27dB Transmit Power  
Carrier grade enclosure  
Conductor NS auto-configure

For more information on any of our solutions please visit us on the Web at: [www.haxiot.com](http://www.haxiot.com)

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Version 2.0



# Specifications

## Mechanical Specifications

<b>MTBF</b>	15 years
<b>DC Power Consumption</b>	< 13 W
<b>Operating Temperature</b>	-40C to +55C
<b>Operating Humidity</b>	10% to 100% Condensing
<b>Ingress Protection</b>	IP67
<b>Size</b>	222 x 265 x 97 mm
<b>Weight</b>	2.2kg

## Interfaces

<b>Ethernet Backhaul</b>	RJ-45 (PoE)
<b>GPS</b>	N-Type
<b>Cellular Backhaul</b>	N-Type
<b>LoRa Antenna</b>	N-Type
<b>Power</b>	48V DC PoE+
<b>Weight</b>	4kg (excl antenna & mount)

## LoRa Radio

<b>Available Bands</b>	US900, EU868, CN470
<b>Tx Power</b>	+27dBm (US)
<b>Rx Sensitivity</b>	-138 dBm (SF12)
<b>Channels</b>	8 Rx / 1 Tx
<b>Antenna</b>	+3dBi N-Type

## Software & Management

<b>System</b>	CLI and API management Auto-discovery over IP
<b>Tools</b>	Access Control Lists System Monitor Logging Radio Configuration Remote Software Upgrade
<b>Networking</b>	IPv4 SSH AES 256bit DHCPv4 TFTP Firewall & ACL

