

HXC Series Client Module



The HXC client provides long-range, low power, secure two-way communications using the LoRaWAN protocol. Connect Internet of Things devices (IoT) to a managed LoRaWAN network such as Haxiot X-ON cloud platform. Multiple frequency and band plans supported for deployment in different countries.

Haxiot provides secure cloud-based key management and provisioning to simplify deployment. The HXC client module supports Multicast for 1000x capacity in downlink control applications such as Smart Lighting.

SIMPLE DEPLOYMENT

The HXC series modules are designed for ease of deployment. LoRaWAN configuration has been implemented as Embedded API for developers.

PROVISIONING

Integrated provisioning capability from manufacturer to live deployment using X-ON platform provisioning portal.

Product Overview

- LoRaWAN protocol supports Class A, Class C and Multicast
- Multiple regional channel plans
- Private or public networks
- SMT package for easy and reliable PCB mounting
- Globally unique LoRaWAN device address
- X-ON provisioning API for automated provisioning and activation
- Environmentally friendly, RoHS compliant
- Integrated u.FL antenna connector
- Firmware upgradeable
- Ultra low power μ A power consumption
- Sleep mode for multi-year battery life
- LoRaWAN™ 1.0.3 compliant
- Ultra high sensitive receive with LoRa® spread spectrum modulation
- FCC certified



Embedded API



Long Range



Ultra Low Power



Global

For more information on any of our solutions, please visit us at:
www.haxiot.com

Specifications

- Multiple frequency bands 433-525 MHz & 902-928MHz
- High receiver sensitivity down to -146 dBm
- Transmit power up to +20 dBm & LoRaWAN protocol
- LoRa® modulation
- Operating voltage 2.5 – 3.6V
- UART serial interface to device
- Compact form factor: 20x 30.5.7 x 3.34 mm
- Operating environment -40 - +85 °C
- AES Encryption

Key Features

Multiple bands & channel plans
Up to 15km wireless range
Low power, 10+ year battery life
X-ON platform provisioning API
Easily integrate to devices
Industrial grade