

KONA Mega Gateway

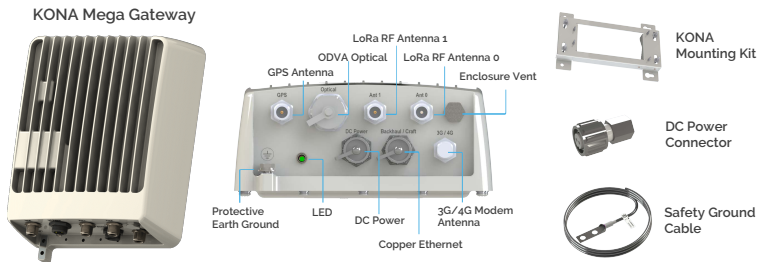
Quick Start Guide

Powering up the Gateway

This guide provides instructions on how to set up a KONA Mega gateway on the TEKTELIC Network Server. This gateway supports up to two external LoRa antennas, a GPS antenna, copper and optical Ethernet backhaul, and optional 3G/4G wireless backhaul. All Gateway models are powered using Direct DC input power or Power over Ethernet (PoE++).

What's In The Box:

The following equipment is provided for installing & commissioning the KONA Macro Gateway on TEKTELIC Network Server:



*Note that there are many different models of the Kona Mega gateway, and your gateway's physical interfaces may appear different than depicted above

- Note:**
- Refer to [Antenna Selection Guide](#) for information on antenna use cases and recommendations
 - Refer to [User Guide](#) for more information on deployment, installation and regulatory considerations
 - POE Injector, External LoRa Antennas and Ethernet Cable sold separately

Configuration & Activation

Commission the Gateway using LeapX Application

To use LeapX, you will need a TEKTELIC Account. If you don't have an account already, please raise a ticket in our support portal support.tektelic.com and our support team will create an account for you.

To install LeapX Application on your Smart Device, please search for "TEKTELIC LeapX" on the Google Play Store or the Apple App Store. Once the app is installed, log in to the app using the username and password of your TEKTELIC account. Then follow the in-app instructions online



Note:

Once the Gateway shows "Online" you are ready to add sensors to your network

Gateway Port Information

KONA Mega Gateway Ports

Available Ports	What to Connect (Refer to antenna deployment guide for more details)
Antenna 0 and Antenna 1 ports	External LoRa Antennas connected using 50OHM RF cable.
GPS Antenna port	Active GPS Antenna using 50 OHM cable (Gateway provides 5V DC nominal supporting maximum 50 mA current draw)
3G/4G Antenna port	External 3G/4G Antenna, connected using 50OHM RF cable
DC Power Port	Connect to 48VDC power source that provides at least 1A or greater current. Alternatively, the gateway can be powered by PoE ++. (see below)

Note:

If you have questions about using this device please visit the TEKTELIC Support Portal support.tektelic.com for access to our knowledge base Documentation & FAQ's

Gateway Troubleshooting

KONA Mega LED States

LED State	Functional Description	Action Required
No LED	No power to gateway	Apply power to gateway. If the condition persists, contact customer support.
Solid Green	Gateway is operational with a packetforwarder running. LoRaWAN packet transmission and reception functions are operating normally.	No action required; Gateway is in a stable state.
Flashing Green	Module is initializing No downlink packets have been transmitted by the gateway in the last 10 minutes. GPS unlocked for more than 24 hours.	On power up, Typical boot time is < 2 minutes. In some cases, this process can take up to 15 minutes (Software upgrade) If after 15 minutes, the LED is still flashing green, power up a sensor near the gateway to initiate a Join Request. The Gateway LED will transition to solid green when it transmits the Network Server's Join Accept message. If the Gateway has been powered up for over 24 hours and normal LoRaWAN traffic is present, check GPS antenna connection and ensure GPS antenna has a clear view of the sky.
Solid Red	Unit is in fault condition and requires service	Power cycle the gateway. (This is an undesired stable state) If the condition persists, contact customer support.

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