

KONA Enterprise Gateway

Highly Optimized Cost-Effective Gateway for Enterprise Deployments

The KONA Enterprise LoRaWAN® Gateway is designed for small and mid-size enterprises, universities, agricultural, forestry and remote operations. In order to facilitate rapid deployment one needs only to provide POE power. The Gateway is very compact and lightweight, comes with integrated Cat-6 3G/4G modem and Ethernet backhaul. The LoRaWAN, 3G/4G and GPS antennas are integrated within the enclosure. For remote applications and extra flexibility it also supports optional external LoRaWAN and 3G/4G Antennas. The ESD and Lightning protection are integrated across all its interfaces. The KONA Enterprise LoRaWAN Gateway meets IP-67 environmental specifications for most demanding outdoor installations. With MTBF of 450,000 hours or 50 years, is it virtually “always on” and the operators lowest TCO.



Key Software Features

- » Access Control Management
- » Cellular Parameter Configuration
- » Radio Configuration and Control
- » Remote Software Upgrades
- » Active and Passive Image Management
- » DHCP v4 Client
- » TFTP Server
- » HTTP Server
- » Firewall and Access Lists

Key Hardware Features

- » Time Duplex 8 Rx / 1 Tx
- » 3G / 4G Cat-6 Modem
- » 802.3af POE Power
- » IP67 Outdoor Design
- » Built-in LoRaWAN, 3G/4G & GPS Antennas
- » Optional external LoRaWAN and 3G/4G Antennas
- » Pole, Wall, Tower Building DIN Rail Mounting Options

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Technical and Functional System Specifications

Mechanical Parameters

MTBF	450,000 hours
DC Power Consumption	< 7 W
Operational Temperature	-40°C to +60°C
Operational Humidity	10% to 100% Condensing
Ingress Protection	IP67
Size	145.81 x 178.78 x 79.5 mm
Weight	1.2 kg

LoRa Radio Parameters

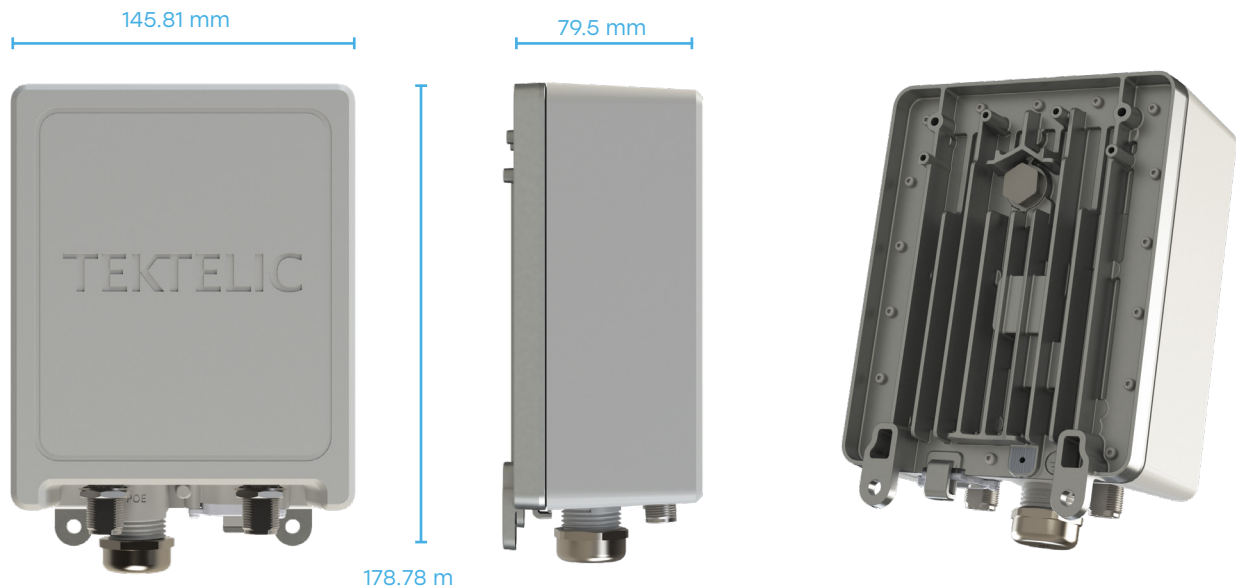
ISM Bands	All Global Bands
Tx Power	14 dBm to 27 dBm
Rx Sensitivity	-139.5 dBm (SF12, 293 bits/sec)
Rx Noise Figure	2.5 dB
Rx Linearity	-5 dBm
Rx Dynamic Range	70 dB Analog, 100+ dB Digital

Interfaces

Ethernet Backhaul	RJ-45 (10/100 BaseT)
Cellular Backhaul (3G/4G)	Internal with optional External
LoRa Antenna	N-Type
Power	802.3af POE

Regulatory Compliance

Safety	IEC 60950-1 (CE), UL 60950-1 (US/C)
Environmental	ETSI EN 300 019-2
Regulatory	ETSI EN 55022 Class B
	ETSI EN 55024
	ETSI EN 300 489-1/-3



TEKTELIC Communications is a premier supplier of best-in-class LoRaWAN® IoT Gateways, Sensors, and custom applications. These elements combined provide a powerful end-to-end solution that can be easily, quickly, and cost effectively deployed to address the most demanding IoT challenges.

For more information please visit www.tektelic.com