TEKTELIC communications

LoRa Alliance Member

KONA Enterprise IoT Gateway

Highly Optimized Cost-Effective Gateway for Enterprise Deployments

The KONA Enterprise LoRaWAN® 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.

- Outdoor Network Coverage
- In-building Networks
- Warehouses
- Commercial Farming
- University Campuses
- Multi-building Complex
- Parkades
- Medium Sized Private Developments

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
- IEEE 802.3af PoE or Passive PoE at 37 to 57 VDC
- 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

INFO@TEKTELIC.COM

+1.403.338.6900

WWW.TEKTELIC.COM

2023-12-22 YV

KONA Enterprise Gateway

Highly Optimized Cost-Effective Gateway for Enterprise Deployments

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

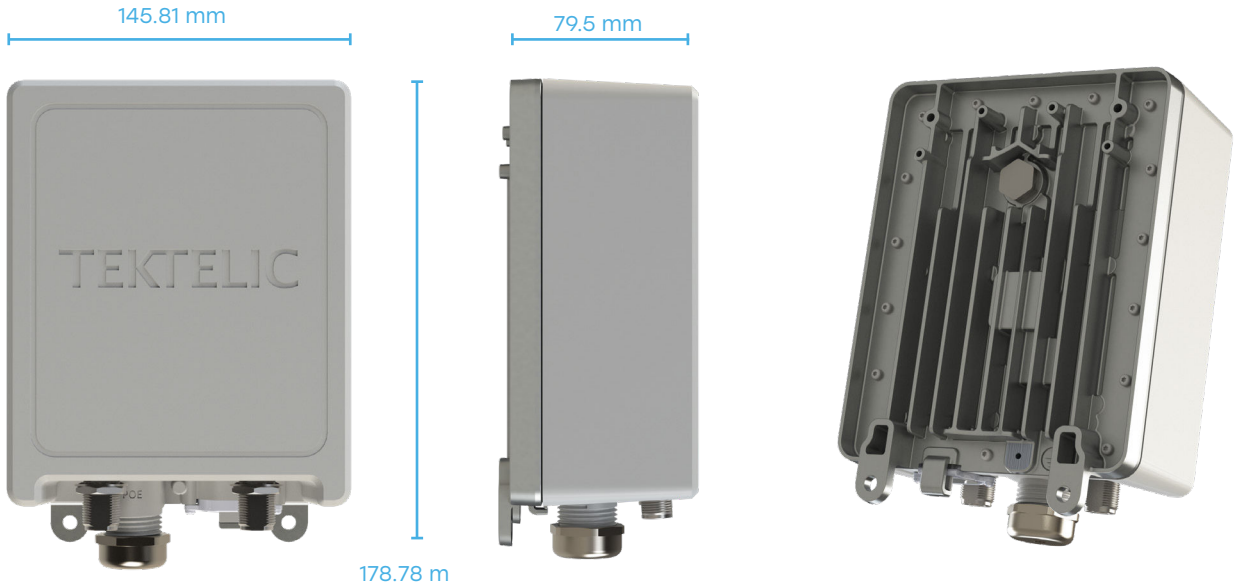
ISM Bands	All Global Bands
Tx Power	14 dBm to 27 dBm
Rx Sensitivity	-139.5 dBm (SF12, 293 bits/sec)
Rx Noise Figure	2.5 dB
Rx Linearity	-5 dBm
Rx Dynamic Range	70 dB Analog, 100+ dB Digital

Interfaces

Ethernet Backhaul	RJ-45 (10/100 BaseT)
Cellular Backhaul (3G/4G)	Internal with optional External
LoRa Antenna	N-Type
Power	802.3af PoE or Passive PoE at 37 to 57 VDC

Regulatory Compliance

Safety	IEC 62368-1 (CE)
Environmental	ETSI EN 300 019-2
Regulatory	ETSI EN 55022 Class B
	ETSI EN 55024
	ETSI EN 301 489-1/-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