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 -48V DC / 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

» -48v/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 +80°C
Operational Humidity	10% to 100% Condensing
Ingress Protection	IP67
Size	145.81 x 178.78 x 79.5 mm
Weight	1.2 kg

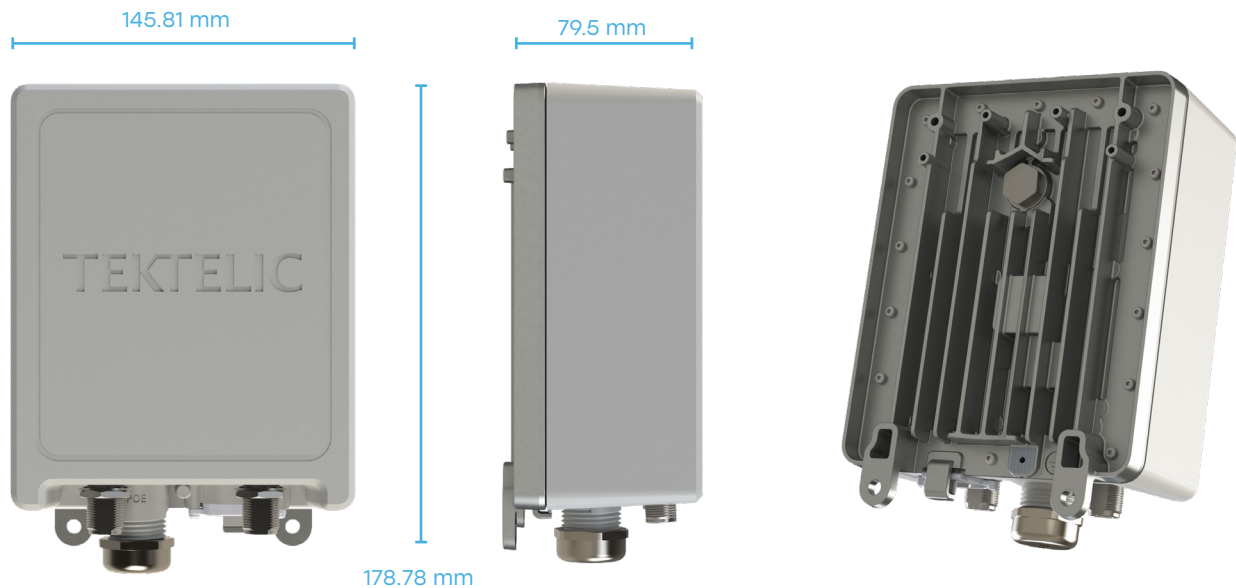#### LoRa Radio Parameters

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)
3G/4G Backhaul	Internal with optional External
LoRa Antenna	N-Type
Power	803.3af POE or 48VDC

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

145.81 mm

79.5 mm

178.78 mm

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