The KONA Enterprise LoRaWAN® 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
# KONA Enterprise Gateway

**Highly Optimized Cost-Effective Gateway for Enterprise Deployments**

## Technical and Functional System Specifications

### Mechanical Parameters

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTBF</td>
<td>450,000 hours</td>
</tr>
<tr>
<td>DC Power Consumption</td>
<td>&lt; 7 W</td>
</tr>
<tr>
<td>Operational Temperature</td>
<td>-40°C to +60°C</td>
</tr>
<tr>
<td>Operational Humidity</td>
<td>10% to 100% Condensing</td>
</tr>
<tr>
<td>Ingress Protection</td>
<td>IP67</td>
</tr>
<tr>
<td>Size</td>
<td>145.81 x 178.78 x 79.5 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>1.2 kg</td>
</tr>
</tbody>
</table>

### LoRa Radio Parameters

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISM Bands</td>
<td>All Global Bands</td>
</tr>
<tr>
<td>Tx Power</td>
<td>14 dBm to 27 dBm</td>
</tr>
<tr>
<td>Rx Sensitivity</td>
<td>-139.5 dBm (SF12, 293 bits/sec)</td>
</tr>
<tr>
<td>Rx Noise Figure</td>
<td>2.5 dB</td>
</tr>
<tr>
<td>Rx Linearity</td>
<td>-5 dBm</td>
</tr>
<tr>
<td>Rx Dynamic Range</td>
<td>70 dB Analog, 100+ dB Digital</td>
</tr>
</tbody>
</table>

### 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
- **ETSI EN 300 489-1/-3**
- **Regulatory**: ETSI EN 55022 Class B
- **ETSI EN 55024**
- **ETSI EN 300 489-1/-3**

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*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](http://www.tektelic.com)*