

LoRaWAN Gateways with Embedded Network Server

Empower Your IoT Solutions

Discover the seamless IoT connectivity potential with TEKTELIC's LoRaWAN® gateways.

These gateways are designed to integrate effortlessly with your existing infrastructure, including Building Management Systems that support Modbus, BACnet, and MQTT. Featuring embedded LoRaWAN Network Server (LNS) capabilities, they offer lightweight deployment and can be easily managed and maintained by your operational team, ensuring all data from the LoRaWAN network remains on-premise. Enhance your IoT solutions and industrial or building automation with efficient and flexible connectivity.

Whether you're deploying smart buildings, industrial automation, or agricultural solutions, TEKTELIC's Embedded Network Server acts as the backbone of your LoRaWAN® infrastructure—delivering high performance, low power consumption, and minimal maintenance.

Our gateway portfolio—KONA Micro, KONA Enterprise, KONA Macro, and KONA Mega—provides localized server functionality ideal for mission-critical environments.

Now with support of TEKTELIC's BMS-ready sensors—COMFORT, VIVID, BREEZE, and TUNDRA—you gain a robust, scalable, and fully integrated solution for real-time monitoring of environmental conditions, occupancy, air quality, and temperature extremes. It's everything you need for reliable, on-premise IoT—simplified.

Values and Benefits

Integrated Appliance

Swiftly establish your LoRaWAN® gateway along with its network server and connected devices—all from one cohesive unit.

Simplified Configuration

Easily configure your gateway and devices, saving you time and effort.

Enhanced Reliability

Supports a Self-Contained Network Operating Independently of Cloud Connections.

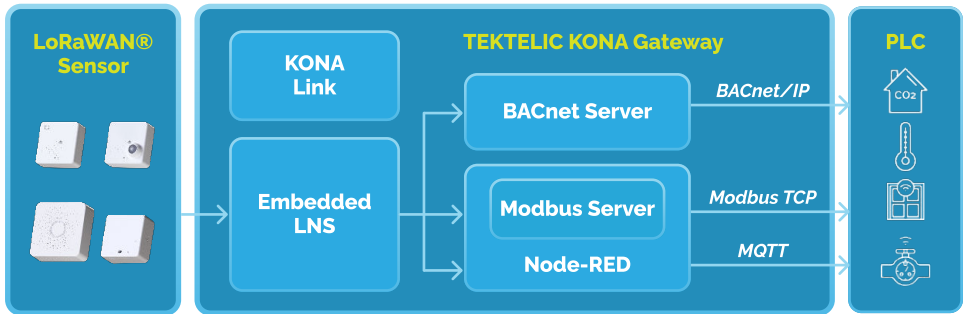
User-Friendly Management

Simplifies device and network management onboard web interfaces.

Provides Complete Ecosystem

Works seamlessly with TEKTELIC LoRaWAN® sensors for Environmental Monitoring, Facility management, Predictive maintenance.

End-to-End Architecture: From Sensor to System



Key Features



Real-time Data acquisition and Processing



Multi-platform Data Integration support



User friendly Interface



Fully Customizable



Comprehensive Monitoring



Support Multiple Data decoders



Effortless Integration



Ideal for Small Networks

Technical Specifications

- **Network Connectivity:** IPv4
- **LNS Functionality:** Embedded LoRaWAN® Network Server
- **Node-Red Support:** Node JS v18, Node-Red V3
- **Data Integration Platforms:** Modbus TCP server, BACnet/IP server, MQTT client
- **Device Classes Supported:** Class A (tested), Class B & C (TBD)
- **ISM Band Support:** Global ISM bands

Supported Gateways

**KONA MICRO Gen 2****KONA Enterprise****KONA Macro****KONA Mega**

Sensors Portfolio for Building Management Systems

**TEMPERATURE****HUMIDITY****LEAKS****OCCUPANCY****MOTION****CO2****BREEZE & BREEZE V**

HVAC automation and occupancy-based lighting control

**VIVID**

Real-time occupancy-based lighting & space optimization

**COMFORT**

HVAC optimization and environmental monitoring

**COMFORT V2**

Advanced leak detection in equipment rooms and critical facilities

**TUNDRA**

Predictive maintenance in cold chain rooms

