

KONA All-in-One Smart Room Sensor

LoRaWAN™ connected Home and Office Environment Monitoring

The KONA Smart Room Sensor integrates a lot of useful functionality into a very small form factor. The Smart Room Sensor is ideal for holistically monitoring the home and office environment, whether it is measuring and reporting temperature, humidity, light, movement, motion, shock, or detecting leaks, open / closed doors and windows or other custom features. It also supports battery status for easy maintenance.

The sensor is optimized for long battery life and excellent RF performance. It is fully configurable over-the-air by the user for custom applications, behaviours, thresholds, trigger events and reports, enabling it to support many different Smart Home IoT applications with the same device. The Smart Room Sensor can be cost effectively and quickly modified for other applications and deployments, or custom packaged if required.



Applications

Movement Detection (Doors, Drawers)

G-Force Measurement (Settable Trigger)

Motion Detection (PIR) - Optional

On / Off External Contact - Optional

On / Off Internal Magnetic Switch

Pulse Reading (Water, Gas, other metering)

Light Detection

Temperature Measurement

Humidity Measurement

Moisture / Leak Detection - Optional

General System Parameters

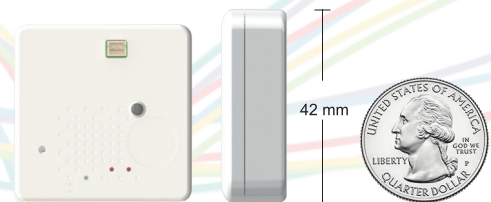
Operational Temperature	0°C to 60°C (10°C to 40°C optimal battery life)
Ingress Protection	IP30
Size	42 x 42 x 14 mm
Weight	20 g
Battery (up to 10 year life)	CR2450 (replaceable)

LoRa Parameters

RF Power	14 dBm
RF Sensitivity	up to -137dBm (SF12, 125kHz)
ISM Band	NA915, EU868, AU915, KR920 AS923, IN865, RU864
Antenna	Internal
LoRa Device Class	Class A

Regulatory Compliance

Safety	IEC 60950-1 (CE)
Regulatory	ETSI EN 300 220 ETSI EN 301-489-1/-3 FCC 15.247 FCC 15.209 RSS-247 RSS-GEN



Specifications subject to change without notice.

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

TEKTELIC
communications

LoRa Alliance Member™