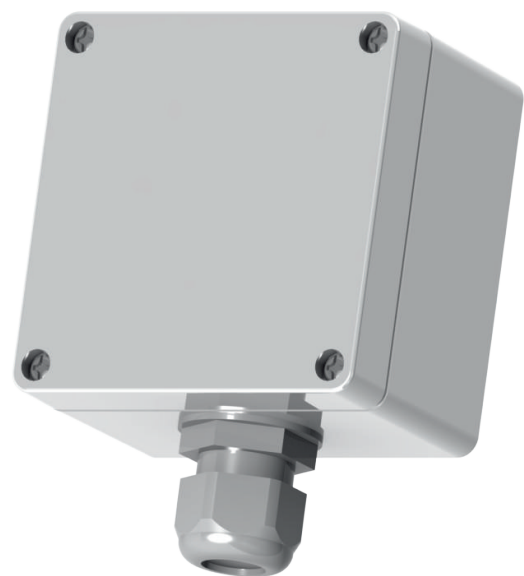


KONA Industrial Transceiver and Sensor

LoRaWAN™ Battery-Powered Radio Transmitter

The KONA Industrial Transceiver and Sensor is an ideal solution for interfacing automation and control instrumentation to LoRaWAN™ networks. The Industrial Transceiver and Sensor supports up to 3 Analog and Digital inputs enabling remote capture of data, 2 Switched Outputs to activate actuators and different control system components and a configurable RS-232, RS-422 or RS-485 interface with numerous protocols. It also measures and reports temperature, humidity, motion, shock or other custom features.

The Industrial Transceiver and Sensor utilizes a ruggedized IP-67 polycarbonate enclosure. It allows easy access to terminate the control interface at the point of use. An integrated Li-SOCl₂ battery has 10 year lifetime. The Industrial Transceiver and Sensor supports battery status for easy maintenance.



General System Parameters

Operational Temperature	-40°C to +55°C
Operational Voltage	3.6V Nominal
Ingress Protection	IP67
Size	90 x 90 x 60 mm
Weight	50 g
Battery (up to 10 years)	Li-SOCl ₂

LoRa Parameters

RF Power	20 dBm (100mW)
RF Sensitivity	up to -140dBm
ISM Band	US 915MHz, EU 868MHz
Antenna	Internal, Internal Patch & SMA (option)
LoRa Device Class	Class A, B or C (optional DC power)

Regulatory Compliance

Safety	UL 60950-1 (US/C), IEC 60950-1 (CE)
Environmental	ETSI EN 300 019-2-1, 300 019-2-2 ETSI EN 300 019-2-3, 300 019-2-4
Regulatory	FCC 15.247 RSS-247 FCC 15.209 RSS-Gen

Specifications subject to change without notice.

Applications

Industrial Process Automation

Precision Agriculture

Smart Building Control

Manufacturing

Smart Meters and Energy Grids

Automotive

M2M LoRaWAN Retrofit

I/O and Interfaces

Input 1 60VDC binary

Input 2 4-20 mA current loop

Input 3 0-10V analog

Output 1 60VDC

Output 2 200VAC

Serial Interface RS-232 / 422 / 485

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

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LoRa Alliance Member™