Product Brief

Luna Remote

Remote Control with LoRaWAN® long-range low-power radio

Remote Control for the Internet of Things

- LoRaWAN low-power long-range connectivity
- Dual input buttons with ultra-low power usage
- Up to 1000 transmits per battery
- Fully reconfigurable via USB or LoRaWAN downlink

Product Description

Definium's Luna Remote with LoRaWAN is a simple solution for adding an Internet of Things controller to any system. Simple alert call-backs from a LoRaWAN server gives you a doorbell, garage un-locker, pump controller, or anything you like.

Based on Definium's Internet of Things sensor platform and backed by long-range low-power LoRa® radio. each sensor has a designed battery life of up to 1000 transmissions at medium range in a small enclosure.

Definium Technologies designs and manufactures its devices in-house in Launceston, Tasmania. Definium produces a broad range of gateways and sensors to use in any IoT network.

Product Selector

Model	Region			Sensors		Radios		Interfaces			Features		Enclosure	
	AU915, AS923 (Australia / Asia)	US915 (United States)	EU868 (Europe)	Buttons	Accelerometer	LoRa, LoRaWAN, FSK	Multi-constellation GNSS	USB Serial Console	LoRaWAN Downlink Config	Bluetooth	Periodic Reporting	Threshold-based Alarm	IP65 Polycarbonate	IP67 Polycarbonate
DT1073	○	○	○	2		●	●	●	●		●	●	●	

Ensure you order the correct product for your LoRaWAN region (see below). ● = Included. ○ = Differs with product variants.

Definium Technologies

Luna Remote

Features

Remote Control	Dual input buttons
LoRaWAN	Class A LoRaWAN 1.0.2 Support
	Supports multiple regions (firmware variants)
	Supports adaptive data rate (fixed position)
	Device settings configurable via downlink
	Pre-configured EUI and keys with QR-code
	Reconfigurable LoRaWAN keys via USB serial

Electrical Data

Power	3.6 V Lithium battery (LS14500-compatible)
Input limit	0 V minimum, 3.6 V maximum
Consumption	Up to 120 mA (transmitting)
	Below 5 uA (sleeping)
	Up to 10 years battery life
	(varies with report frequency)

Enclosure

IP65 Polycarbonate	70 × 35 × 17 mm, 300 g

Environmental data, quality & reliability

Operating range	−20°C to 60°C

RoHS compliant (lead-free)

Security

Secure internal storage of keys

Radio noise-based random number generator

Certifications and approvals

AS/NZS 60950.1:2011, AS/NZS 4268:2012, IEC 60950−1, CENELEC EN 60950−1, 47 CFR 15.247, 47 CFR 15.207, 47 CFR 15.247, 47 CFR 15.215, IDA TS SRD

Non-Australian certifications in-progress

Support products

DT1046	Definium Nexus 8 LoRaWAN Gateway with CAN, LTE, PoE

LoRaWAN network provision and hosting via partners

Further Information

For conact information, see www.definium.net/contact.

For more product details and ordering information, see the product data sheet.

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