RA-H443 "Owl-in-One" Datasheet

Product Overview

The "Owl-in-One" is a Bluetooth Low Energy scanner and beacon with WiFi and Ethernet connectivity options.

The "Owl-in-One" is powered via USB or via AC mains using the provided adapter.

Top view

Bottom view

Technical Specifications

Physical

Dimensions (L x W x H):	129mm x 111mm x 33mm
Weight:	300g (approx. with included AC/USB adapter)
Material:	ABS Plastic (UL94 HB & RoHS compliant)
Colour:	White

Connections

USB Power/Comms:	2.0m cable with USB A male connector (USB 2.0)
Ethernet:	1.4m cable with RJ-45 plug

Environmental

Operating temperature:	-20°C to +55°C
Outdoor capability:	Yes, with waterproof enclosure (not supplied)

Power

Voltage:	5VDC
Current:	500mA (peak)

Bluetooth Low Energy Radio

Chipset:	Texas Instruments CC2541
Antenna:	Omni-directional ceramic
Firmware:	reelyActive custom (without Bluetooth stack)
Certifications:	T7VPAN17 (FCC) 216Q-PAN17 (Industry Canada) CE (European R&TTE)

WiFi Radio

Chipset:	MediaTek MT7620N
Antenna:	Dual orthogonal Inverted-F trace
Module:	Tessel 2 (Open Hardware)
Certifications:	2AHDY-T2 (FCC)
	CE (European R&TTE)