

OSE

Osprey Systems Engineering

EU Declaration of Conformity

In accordance with European Parliament and Council Decision No 768/2008/EC Annex III

1. *Product model / product:*

Product	<i>Smart PoE Powerbank</i>
Model/type	<i>MK12</i>
Batch/serial no.	<i>OSE_PB_MK12_200 - OSE_PB_MK12_255</i>

2. *Manufacturer:*

Name	<i>Osprey Systems Engineering</i>
Address	<i>Unit 4, Derwent Mills Commercial Park, Wakefield Rd, Cockermouth CA13 0HT</i>

Authorised Representative:²

Name	<i>Dr. Benjamin Jonathan Bird</i>
Address	<i>Unit 4, Derwent Mills Commercial Park, Wakefield Rd, Cockermouth CA13 0HT</i>

3. *This declaration is issued under the sole responsibility of the manufacturer.*

4. *Object of the declaration:*

Product	<i>Description:</i>
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The MK12 Smart PoE Powerbank is an Internet of Things / Edge computing device that is capable of both powering and controlling remote sensor networks through PoE, DC and USB / QC, with Docker, Portainer and a simple webserver.

This product is primarily intended to power Rajant mesh "breadcrumbs" in situ, for robot deployments of a semi regular / one off nature. This product is ideally situated for use where it is not possible to build a fixed installation, and the breadcrumb cannot be located next to an AC power outlet for network connectivity reasons, and it would be a health and safety risk / unsightly and unprofessional to run extension cables.

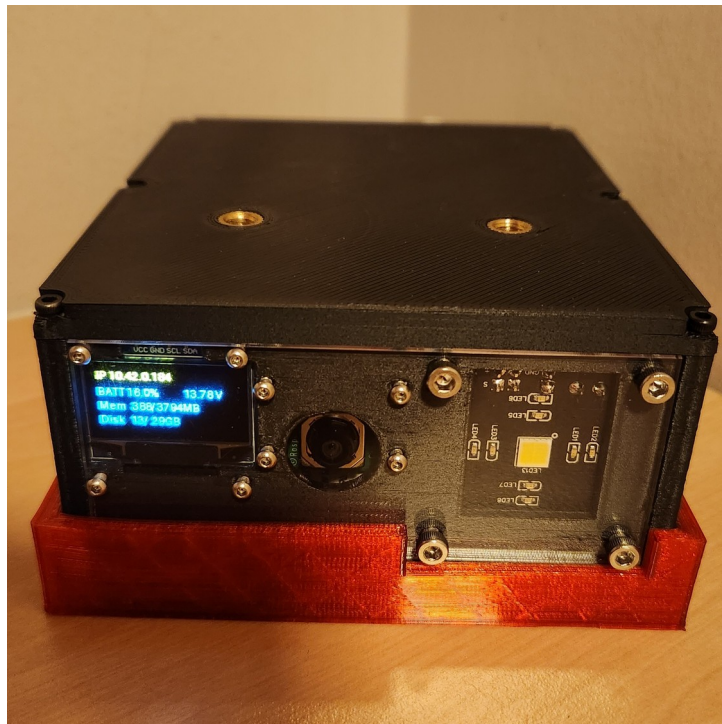
The device can power a Rajant breadcrumb and provide battery status updates over the Rajant network. It is also capable of powering and controlling any additional sensors that utilise USB 2.0 or Ethernet or and consume less than 30 W.

The device features a 70 Wh internal battery. The device can be recharged utilising the provided Li-Ion charger.

Specification

Key characteristics:

- 74 Wh battery capacity, giving ~14 hour battery life with Rajant Cardinal
- Onboard 120 degree FoV camera with autofocus and HDR, which can stream to DVR / VNC, can also record video and capture images at 12MP
- Built in lighting system
- Built in OLED display, showing battery and network information as well as serial number
- Built in webserver to allow remote MK12 Powerbanks to be interrogated
- Small form factor - 120x103x51 mm
- USB2.0 for additional device connectivity
- Docker and Portainer support for 3rd part applications
- 10/100 Ethernet switch, 3 ports accessible to user
- Designed for Rajant Cardinal



5. *The object of the declaration described above is in conformity with the relevant Union harmonisation legislation:*

2014/35/EU	The Low Voltage Directive
2014/30/EU	The Electromagnetic Compatibility Directive
2011/65/EU	The Restriction of Hazardous Substances Directive

6. *Additional information*

Signed for and on behalf of: *Osprey Systems Engineering*

Place of issue: *Unit 4, Derwent Mills Commercial Park, Wakefield Rd,*

Cockermouth CA13 OHT

Date of issue:

04/02/2024

Name:

Dr. Benjamin Jonathan Bird

Position:

Managing Director

Signature:

A handwritten signature in black ink, appearing to be 'Dr. Benjamin Jonathan Bird', written over a horizontal line.