



## EU-Type Examination Certificate

with respect to the presumption of  
Compliance of a product with the essential requirements of

# RE DIRECTIVE 2014/53/EU

|                                |   |
|--------------------------------|---|
| Certificate Number             | RE-18071303   |
| Certificate Holder             | Resin.io  |
| Address                        | One London Wall 6th floor London EC2Y 5EB United Kingdom            |
| Manufacturer                   | Resin.io  |
| Address                        | One London Wall 6th floor London EC2Y 5EB United Kingdom            |
| Product Type/Description       | A carrier board designed for the Raspberry Pi Compute Module 3 Lite |
| Trade Name                     | Balena Fin  |
| Model Number                   | Balena Fin  |
| Product Identification Element | BLNFN100001   |

| Applied / Complied Harmonized Standards                 |   | Complied |
|---|---|----------|
| RE Directive 2014/53/EU,<br>Article 3(1)(a)<br>■ Safety | EN 60950-1:2006+A11:2009+A1:2010+A12/AC:2011+A2:2013  | Y        |
| RE Directive 2014/53/EU,<br>Article 3(1)(a)<br>■ Health | EN 62311:2008   | Y        |
| RE Directive 2014/53/EU,<br>Article 3(1)(b)<br>■ EMC    | Draft EN 301 489-1 V2.2.0, Draft EN 301 489-17 V3.2.0 | Y        |
| RE Directive 2014/53/EU,<br>Article 3(2)<br>■ Radio     | EN 300 328 V2.1.1, EN 301 893 V2.1.1                  | Y        |

Authorized By:



Leslie Bai, Director of Certification

Issue Date: July 13, 2018

Expiry Date: July 12, 2023

## Annex I of RED EU-TYPE Examination Certificate

Certificate Number: RE-18071303

| Product Specifications               |  |
|--------------------------------------|--|
| Frequency Range                      | 2402-2480MHz (Bluetooth- BDR/EDR/BLE)<br>2412-2472MHz, 5180-5240MHz, 5260-5320MHz, 5500-5700MHz (WLAN) |
| RF Output Power (EIRP)               | 2.35dBm / 2.36dBm (BDR / EDR), 3.83dBm (BLE)<br>18.3dBm, 13.4dBm, 12.9dBm, 11.8dBm (WLAN)              |
| Type of Antenna                      | External 1/4 dipole omni Antenna, 2dBi<br>Embedded Antenna - SMT, 1dBi                                 |
| Modulation                           | GFSK, $\pi/4$ QDPSK, 8DPSK (BT)<br>DSSS, OFDM (WLAN)   |
| Mode of Operation (Simplex / Duplex) | Duplex   |
| Duty Cycle                           | -  |
| Comments                             | -Class 1   |

## Technical Documentation Identification

| Test Report   |  |
|---|--|
| RE Directive 2014/53/EU, Article 3(1)(a)<br>■ Health & Safety | CE_RF Exposure_SL18040201-RIO-001<br>BLL1807001-CE-S   |
| RE Directive 2014/53/EU, Article 3(1)(b)<br>■ EMC             | EMC_SL18040601-RIO-001_CE  |
| RE Directive 2014/53/EU, Article 3(2)<br>■ Radio              | CE_SL18040201-RIO-001_BT, CE_SL18040201-RIO-001_BLE,<br>CE_SL18040201-RIO-001_2.4GHz, CE_SL18040201-RIO-001_5GHz |
| User Manual   | <input checked="" type="checkbox"/>  |
| Product Label   | <input checked="" type="checkbox"/>  |
| Block Diagram   | <input checked="" type="checkbox"/>  |
| Circuit Diagram   | <input checked="" type="checkbox"/>  |
| BOM   | <input checked="" type="checkbox"/>  |
| Declaration of Conformity                                     | <input checked="" type="checkbox"/>  |

Based on the evidence presented, our certificate in accordance with Annex III of Council Directive 2014/53/EU on Radio Equipment Directive and the mutual recognition of their conformity is that the apparatus identified above complies with the requirements of that Directive stated above.

Note: Compliance with the above Directive does not guarantee the right to use the above mentioned equipment in any EU member state.  
No configuration, other than described above, has been considered and is therefore not included in this certificate.

775 Montague Expressway, Milpitas, CA 95035, USA

Tel: 408 526 1188, Fax: 408 526 1088

Website: [WWW.SIEMIC.COM](http://WWW.SIEMIC.COM), email: [info@siemic.com](mailto:info@siemic.com)

Please check the validation of this certificate at [http://certdatabase.siemec.com/siemec\\_db/public/certverification.asp](http://certdatabase.siemec.com/siemec_db/public/certverification.asp)