

# Expertise

**Expert Opinion of the Notified Body on the Conformity Assessment  
according to Article 10.5 of R&TTE Directive 1999/5/EC**

**PHOENIX TESTLAB**  
EU Identification Number **0700**

Recognised by  Bundesnetzagentur  
BNetzA-bS-02/51-55

Expertise No.	13-115913
Certificate Holder	Dragino Technology Co., Limited.
Address	Room 2073, Zi'An Commercial Building, Qian Jin 1 Road, Xin'An 6th District, Bao'an District; Shenzhen 518101, China
Product Description	Wireless Sensor Node; with WIFI and Non-specific Short Range Devices
Brand Name / Model Name	DRAGINO, FLUKSO / MS14, FLM03B, MS14-P, MS14-S, MS14-MLC

## Opinion on the Essential Requirements

Article 3.1a): Health and Safety	<b>No remarks</b>
Article 3.1b): Electromagnetic Compatibility	<b>No remarks</b>
Article 3.2: Effective Use of the Radio Spectrum	<b>No remarks</b>

## CE-marking

Marking Example (Class 1) **CE 0700**

This certificate is issued in accordance with the Directive 1999/5/EC of the European Parliament and the Council on radio equipment and telecommunications terminal equipment and the mutual recognition of their conformity dated 9<sup>th</sup> March 1999 and is only valid in conjunction with the following annex (3 pages).

Blomberg, 27 December 2013

Place, Date of Issue



Seal



Signed by Alan Lane  
Notified Body

## Technical description

Frequency Range	WiFi(20 MHz): 2412 - 2472 MHz WiFi(40 MHz): 2422 - 2462 MHz SRD: 868.3 MHz
Transmitted Power	WiFi: 16.77 dBm EIRP SRD: 3.18 dBm

## Technical Construction File (TCF):

Technical documentation according to Annex II sub clause 4:

- |   |   |
|---|---|
| <input checked="" type="checkbox"/> User Manual     | <input checked="" type="checkbox"/> Operational Description |
| <input checked="" type="checkbox"/> Block Diagram   | <input checked="" type="checkbox"/> Circuit Diagram         |
| <input checked="" type="checkbox"/> Parts Placement | <input checked="" type="checkbox"/> PCB-Layout              |
| <input checked="" type="checkbox"/> Parts List      |   |

Hardware Version: V2.3

Software Version: V1.1



## Applied Standards and Test Reports

Specification	Laboratory	Test Report Number
EN 60950-1:2006 +A11:2009+A1:2010+A12:2011	TÜV Rheinland (Guangdong) Ltd.	16021595 002
EN 60950-1:2006 +A11:2009+A1:2010+A12:2011	Keyway Testing Technology Co., Ltd.	13KWS11833P
EN 301 489-1 V1.9.2 EN 301 489-3 V1.4.1	Keyway Testing Technology Co., Ltd.	13KWE11103805R
EN 301 489-1 V1.9.2 EN 301 489-17 V2.2.1	Keyway Testing Technology Co., Ltd.	13KWE11103806R
EN 62479:2010	Keyway Testing Technology Co., Ltd.	13KWE11103804R
EN 62311:2008	Keyway Testing Technology Co., Ltd.	13KWE11103803R
EN 300 328 V1.7.1	Keyway Testing Technology Co., Ltd.	13KWE11103801R
EN 300 220-1 V2.4.1 EN 300 220-2 V2.4.1	Keyway Testing Technology Co., Ltd.	13KWE11103802R

## Further Documents

EU Declaration of Conformity, 1 page, 2013-11-20.

Power of Attorney, 2 pages, 2013-11-20.

Declaration of Identity, 1 page, 2013-11-27.



## Opinion on the Essential Requirements:

The basis of this Expertise is the Technical Construction File (TCF). If the TCF includes test reports issued by laboratories accredited to the standard ISO/IEC 17025, the test results of these reports are considered as a basis for the conformity assessment of the Notified Body.

### Article 3.1a): Health and Safety:

- Conform

### Article 3.1b): Electromagnetic Compatibility:

- Conform

### Article 3.2: Effective Use of the Radio Spectrum:

- Conform

### General Remarks:

- This conformity assessment is limited to the essential requirements of the R&TTE Directive. Only products fulfilling all essential requirements of all applicable new approach directives may be placed on the market and put into service. Products in compliance with all provisions of the applicable directives providing for the CE marking must bear this marking.
- The Technical Construction File should include all Parts Placement.

