

# Certificate

## Of

### Radio Equipment in JAPAN

No.: 142150438/AA/00

Telefication, operating as Conformity Assessment Body (CAB ID Number: 201) with respect to Japan, declares that the listed product complies with the Technical Regulations Conformity Certification of Specified Radio equipment (ordinance of MPT N° 37,1981)

Product description: **IPC**

Trademark: **See annex 3**

Family name: --

Type designation: **See annex 3**

Serial No: **See annex 3**

Hard-/Software release No: --

Manufacturer: **NEXCOM International Co., Ltd.**

Address: **5F, 6F, 7F, 8F, 9F, 10F, 11F, 12F, No. 63, Sec. 1, Sanmin Rd.,  
Banqiao Dist**

City: **220 New Taipei City**

Country: **Taiwan, Republic Of China**

This certificate is granted to:

Name: **SOPHOS Ltd**

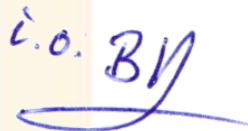
Address: **The Pentagon Abingdon**

City: **OX14 3YP**

Country: **United Kingdom**

This certificate has THREE Annexes.

Zevenaar, 11 December 2014



W.J.M. Jong  
Manager Product Certification

**CAB**



- The validity of this Certificate is limited to products, which are equal to the one examined in the type-examination.
- When the manufacturer (or holder of this certificate) is placing the product on the Japanese market, the product must be affixed with the following Specified Radio Equipment marking:



**R** 201-140438

#### Remarks and observations

*The following conditions are applicable:*

Antennas for IEEE 802.11a/b/g/n:

Dipole antenna, max gain of 2 dBi at 2.4 GHz and max gain of 5 dBi at 5 GHz

## **Documentation lodged for this type-examination**

### *Test Reports:*

- Bureau Veritas Consumer Products Services E & E Business: RJ141009C10, 17 November 2014

### *Product Documentation:*

- Assembly drawings
- Bill of materials
- Block diagram
- Electric diagrams
- Antenna specifications
- Photos
- User manual

## **Technical Standards and Specifications**

*The product shows no non-compliances with:*

- Equipment Radio Regulations: 2008 (including amendments)

Chapter I, General Provisions  
Chapter II, Transmitting Equipment  
Chapter III, Receiving Equipment  
Chapter IV, section 4.17 article 49.20

Radio equipment specified in:  
Item (19) of article 2, paragraph 1  
Item (19)-3 of article 2, paragraph 1

## Technical features and characteristics

*The product includes the following features and characteristics:*

### IEEE 802.11b

- Operating frequency range: 2412-2472 MHz (13 channels)
- ITU designation: 13M9G1D
- Maximum output power: 7.0 mW/MHz rated

### IEEE 802.11g

- Operating frequency range: 2412-2472 MHz (13 channels)
- ITU designation: 18M3D1D
- Maximum output power: 3.0 mW/MHz rated

### IEEE 802.11n 20 MHz

- Operating frequency range: 2412-2472 MHz (13 channels)
- ITU designation: 18M9D1D
- Maximum output power: 2.5 mW/MHz rated

### IEEE 802.11n 40 MHz

- Operating frequency range: 2422-2462 MHz (9 channels)
- ITU designation: 37M0D1D
- Maximum output power: 0.8 mW/MHz rated

### IEEE 802.11a

- Operating frequency range: 5180-5240 MHz (4 channels)
- ITU designation: 16M7D1D
- Maximum output power: 1.5 mW/MHz rated

### IEEE 802.11n 20 MHz

- Operating frequency range: 5180-5240 MHz (4 channels)
- ITU designation: 18M1D1D
- Maximum output power: 1.6 mW/MHz rated

### IEEE 802.11n 40 MHz

- Operating frequency range: 5190-5230 MHz (2 channels)
- ITU designation: 36M7D1D
- Maximum output power: 0.5 mW/MHz rated

*The product as described in this Certificate includes the following type designations:*

- Product description: IPC  
- Trademark: SOPHOS  
- Type Designation: SG 105w

- Product description: IPC  
- Trademark: SOPHOS  
- Type Designation: SG 115w