telefication bv The Netherlands Chamber of Commerce 51565536 www.telefication.com



Certificate

of

Radio Equipment in JAPAN

No.: 10215369/AA/01

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:	2.4 GHz RF Module
	Digi International
Family name:	
Type designation:	Xbee S2C
Serial No:	-
Hard- / Softw. release No:	05 RevA / xb24-s2c_4016

Manufacturer:	Digi International
Address:	11001 Bren Road East
City:	MN 55343 Minnetonka
Country:	United States

This additional certificate is granted to:

Name: Digi International Address: 11001 Bren Road East City: MN 55343 Minnetonka Country: United States

This additional certificate has THREE Annexes.

Zevenaar, 28 February 2011

CAB

W.J.M. Jong Operations Manager Certification





certification

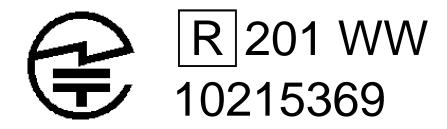




Annex 1 to additional Certificate of Radio Equipment in Japan Number: 10215369/AA/01

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



Remarks and observations

The following conditions are applicable:

There are different versions, depending upon the selected antenna:

- an U.FL RF port on the PCB for an external antenna

- with an integral PCB antenna
- PIN 36 RF Port, a soldered cable and a chassis connector for an external antenna

Rated supply voltage 3.3 Vdc Operational range: from 2.2 up to 3.6 Vdc Electrical interface with host: USB

Antenna's overview: (Gain specified at 2.4 GHz)

- 1. Internal PCB Antenna, max. gain -0.5 dBi
- 2. External Antenna Dipole Bec AN2400-37A19BX, max. gain 2.76 dBi
- 3. External Antenna Dipole Bec R-AN2400-5701RS-Z, max. gain 3.45 dBi
- 4. External Antenna Dipole Pulse W1030, max. gain 2.0 dBi
- 5. External Antenna Dipole Pulse W1049B050, max. gain 2.0 dBi
- 6. External Antenna Dipole NearsonS131AH-2450S (1/2 lambda dipole), max. gain 2.0 dBi
- 7. External Antenna Monopole Maxstream(whip,1/4 labda), max. gain 1.8 dBi
- 8. External Antenna Directional Buffalo WLE-HG-DA, max. gain 9.0 dBi



Annex 2 to additional Certificate of Radio Equipment in Japan Number: 10215369/AA/01

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Documentation lodged for this type-examination

Test Reports:

MiCOM Labs: DIGI09-J1 Rev B, 18 December 2011 _

Product Documentation:

- Assembly drawings _
- Bill of materials -
- Block diagram -
- Electric diagrams -
- Antenna specifications -
- Photos -
- User manual _
- **Tamper Proof Method** _

Technical Standards and Specifications

The product shows no non-compliances with:

Equipment Radio Regulations (including amendments)

2008

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



Annex 2 to additional Certificate of Radio Equipment in Japan Number: 10215369/AA/01

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Technical features and characteristics

The product includes the following features and characteristics:

Zigbee:

- Operating frequency range: 2405-2480 MHz (16 channels)
- Operating frequency band: 2400-2483.5 MHz
- ITU designation: 2M65G1D
- Maximum output power: 4.8 mW/MHz rated
- Maximum antenna gain: 9 dBi
- Modulation method(s): DSSS: O-QPSK



Annex 3 to additional Certificate of Radio Equipment in Japan Number: 10215369/AA/01

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

Product description:2.4 GHz RF ModuleType designation:Xbee S2CTrademark:Digi InternationalSerial No:--Hard- / Softw. release No:05 RevA / xb24-s2c_4016