

Certificate

of

Radio Equipment in JAPAN

No: 10215125/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: **802.11abg Mini SDIO Radio Module**
Trademark: **Summit Data Communications**
Family name: --
Type designation: **SDC-MSD30AG**
Serial No: --
Hard- / Softw. release No: **REV. G / SCU: V2.03.42 SRU: V3.1.13**

Manufacturer: **Gemtek Technology Co., Ltd.**
Address: **No. 1, Jen Ai Road, Hsinchu Industrial Park**
City: **303 Hukou hsinchu**
Country: **Taiwan R.O.C.**

This certificate is granted to:

Name: **Summit Data Communications, Inc.**
Address: **526 South Main Street Suite 805**
City: **OH 44139 Akron**
Country: **United States**

This certificate has THREE Annexes.

Zevenaar, 31 May 2010

i.o. BJ

W.J.M. Jong
Operations Manager
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 WW
10215125

Remarks and observations

The following conditions are applicable:

The physical interface with the host is realised by a 60-pin connector.

Antennas for IEEE 802.11b/g/n:

- CISCO AIR-ANT4941, Dipole antenna, max. gain of 2.0 dBi at 2.4 GHz
- Huber+Suhner SOA 2459/360/5/0/V_C, Dipole antenna, max. gain of 3.0 dBi at 2.4 GHz
- Larsen R380.500.314, Dipole antenna, max. gain of 1.6 dBi at 2.4 GHz
- Summit SDC-CF22G, Omni antenna, max. gain of 0 dBi at 2.4 GHz

Documentation lodged for this type-examination

Test Reports:

- Elliott Laboratories, LLC: R79065 Rev 2, 17 May 2010

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

Technical features and characteristics

The product includes the following features and characteristics:

IEEE 802.11b:

- Operating frequency range: 2412-2472 MHz (13 channels)
- Operating frequency band: 2400-2483.5 MHz
- ITU designation: 15M8G1D
- Maximum output power: 4.74 mW/MHz rated
- Maximum antenna gain: 3.0 dBi
- Modulation method(s): DSSS: DBPSK, DQPSK, CCK

IEEE 802.11g:

- Operating frequency range: 2412-2472 MHz (13 channels)
- Operating frequency band: 2400-2483.5 MHz
- ITU designation: 17M4D1D
- Maximum output power: 2.89 mW/MHz rated
- Maximum antenna gain: 3.0 dBi
- Modulation method(s): OFDM: BPSK, QPSK, 16QAM, 64QAM

Annex 3 to Certificate of Radio Equipment in Japan
Number: 10215125/AA/00

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

Product description:	802.11abg Mini SDIO Radio Module
Type designation:	SDC-MSD30AG
Trademark:	Summit Data Communications
Serial No:	--
Hard- / Softw. release No:	REV. G / SCU: V2.03.42 SRU: V3.1.13