

Certificate

of

Radio Equipment in JAPAN

No.: 10215167/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: **mini-PCI 802.11abgn 2x2 module**
Trademark: **Summit Data Communications**
Family name: **--**
Type designation: **SDC-PE15N**
Serial No: **--**
Hard- / Softw. release No: **200-116575-0000G D / SCU: V2.03.47 SRU: V2.03.47 V2.03.47**

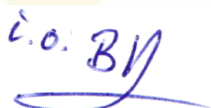
Manufacturer: **Gemtek Technology Co., Ltd.**
Address: **No. 1, Jen Ai Road, Hsinchu Industrial Park**
City: **303 Hukou, Hsinchu**
Country: **Taiwan R.O.C.**

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, 09 June 2010



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 XW
10215167

Remarks and observations

The following conditions are applicable:

Express (PCIe) MiniCard with 52 pin edge connector

Antennas for IEEE 802.11a/n:

- CISCO AIR-ANT5135, Dipole antenna, max. gain of 3.5 dBi at 5 GHz
- Huber+Suhner SOA 2459/360/5/0/V_C, Dipole antenna, max. gain of 6.5 dBi at 5 GHz
- Larsen R380500314, Dipole antenna, max. gain of 5.0 dBi at 5 GHz

Annex 2 to Certificate of Radio Equipment in Japan
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Documentation lodged for this type-examination

Test Reports:

- Elliott Laboratories, LLC: R79188 Rev. 1.1, 24 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)-3 of article 2, paragraph 1

Technical features and characteristics

The product includes the following features and characteristics:

IEEE 802.11a:

- Operating frequency range: 5180-5320 MHz (8 channels)
- Operating frequency band: 5150-5350 MHz
- ITU designation: 16M8D1D
- Maximum output power: 2.20 mW/MHz rated
- Maximum antenna gain: 6.5 dBi
- Modulation method(s): OFDM: BPSK, QPSK, 16QAM, 64QAM

IEEE 802.11n:

- Operating frequency range: 5180-5320 MHz (8 channels)
- Operating frequency band: 5150-5350 MHz
- ITU designation: 17M9D1D
- Maximum output power: 1.14 mW/MHz rated
- Maximum antenna gain: 6.5 dBi
- Modulation method(s): OFDM: BPSK, QPSK, 16QAM, 64QAM

Annex 3 to Certificate of Radio Equipment in Japan
Number: 10215167/AA/00

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

Product description:	mini-PCI 802.11abgn 2x2 module
Type designation:	SDC-PE15N
Trademark:	Summit Data Communications
Serial No:	--
Hard- / Softw. release No:	200-116575-0000G D / SCU: V2.03.47 SRU: V2.03.47 V2.03.47