

# Certificate

of

## Radio Equipment in JAPAN

No: 10215127/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.**

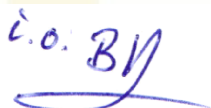
This certificate is granted to:

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, 04 June 2010

**CAB**



W.J.M. Jong  
Operations Manager  
Certification



- 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  
10215127

#### Remarks and observations

*The following conditions are applicable:*

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

Slave device, no ad-hoc mode possible.

Device is capable to detect radar test pulses as defined in MIC Table 45  
(Test Methods for Radio Equipment, included in Notice 88)

Antennas for IEEE 802.11a:

- CISCO AIR-ANT 5135, 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

### Documentation lodged for this type-examination

*Test Reports:*

- Elliott Laboratories, LLC: R78967, 03 May 2010
- Elliott Laboratories, LLC: R79119 Rev 3, 01 June 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: 1.52 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: 10215127/AA/00*

04 June 2010  
*Annex 3, Page 1 of 1*

*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