

Certificate

Of

Radio Equipment in JAPAN

No.: 152150141/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: **802.11 ac Unified Pro Access Point**

Trademark: **ZyXEL**

Family name: --

Type designation: **WAC6502D-S**

Serial No: --

Hard-/Software release No: **2976472602|BootModule Version: V2.1 | 2014-06-16 | 10:48:40**

Manufacturer: **ZyXEL Communications Corporation**

Address: **No. 2, Gongye E. 9th Road, Hsinchu Science Park**

City: **Hsinchu**

Country: **Taiwan, Republic Of China**

This certificate is granted to:

Name: **ZyXEL Communications Corporation**

Address: **No. 2, Gongye E. 9th Road, Hsinchu Science Park**

City: **Hsinchu**

Country: **Taiwan, Republic Of China**

This certificate has THREE Annexes.

Zevenaar, 06 May 2015

CAB



W.J.M. Jong
Manager Product Certification



PRODUCTS
RvA C 224

- 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:



201-150141

Remarks and observations

The following conditions are applicable:

DFS operation: Master.

MIMO: 2T/2R in 2.4GHz and 5GHz

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

WAC6502D-S, Dipole antenna, max gain of 4 dBi at 2.4 GHz and max gain of 6 dBi at 5 GHz

Documentation lodged for this type-examination

Test Reports:

- International Certification Corp.: JR532005AC, 30 April 2015
- International Certification Corp.: JR532005AN, 30 April 2015
- International Certification Corp.: JZ532005, 30 April 2015

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
Item (19)-3-2 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: 11M6G1D
- Maximum output power: 6.5 mW/MHz rated

IEEE 802.11g

- Operating frequency range: 2412-2472 MHz (13 channels)
- ITU designation: 17M1D1D
- Maximum output power: 6.5 mW/MHz rated

IEEE 802.11n 20 MHz

- Operating frequency range: 2412-2472 MHz (13 channels)
- ITU designation: 18M2D1D
- Maximum output power: 6.0 mW/MHz rated

IEEE 802.11n 40 MHz

- Operating frequency range: 2422-2462 MHz (9 channels)
- ITU designation: 36M5D1D
- Maximum output power: 3.5 mW/MHz rated

IEEE 802.11a

- Operating frequency range: 5180-5240 MHz (4 channels)
- ITU designation: 16M8D1D
- Maximum output power: 2.5 mW/MHz rated

IEEE 802.11n 20 MHz

- Operating frequency range: 5180-5240 MHz (4 channels)
- ITU designation: 17M9D1D
- Maximum output power: 2.5 mW/MHz rated

IEEE 802.11n 40 MHz

- Operating frequency range: 5190-5230 MHz (2 channels)
- ITU designation: 36M2D1D
- Maximum output power: 1.5 mW/MHz rated

IEEE 802.11ac (VHT20)

- Operating frequency range: 5180-5240 MHz (4 channels)
- ITU designation: 17M9D1D
- Maximum output power: 2.5 mW/MHz rated

IEEE 802.11ac (VHT40)

- Operating frequency range: 5190-5230 MHz (2 channels)
- ITU designation: 36M2D1D
- Maximum output power: 1.5 mW/MHz rated

IEEE 802.11ac (VHT80)

- Operating frequency range: 5210 MHz (1 channel)
- ITU designation: 75M6D1D
- Maximum output power: 1.0 mW/MHz rated

IEEE 802.11a

- Operating frequency range: 5260-5320 MHz (4 channels)
- ITU designation: 16M7D1D
- Maximum output power: 2.5 mW/MHz rated

IEEE 802.11n 20 MHz

- Operating frequency range: 5260-5320 MHz (4 channels)

- ITU designation: 17M9D1D
- Maximum output power: 2.5 mW/MHz rated

IEEE 802.11n 40 MHz

- Operating frequency range: 5270-5310 MHz (2 channels)
- ITU designation: 36M2D1D
- Maximum output power: 1.5 mW/MHz rated

IEEE 802.11ac (VHT20)

- Operating frequency range: 5260-5320 MHz (4 channels)
- ITU designation: 17M9D1D
- Maximum output power: 2.5 mW/MHz rated

IEEE 802.11ac (VHT40)

- Operating frequency range: 5270-5310 MHz (2 channels)
- ITU designation: 36M2D1D
- Maximum output power: 1.5 mW/MHz rated

IEEE 802.11ac (VHT80)

- Operating frequency range: 5290 MHz (1 channel)
- ITU designation: 75M6D1D
- Maximum output power: 1.0 mW/MHz rated

IEEE 802.11a

- Operating frequency range: 5500-5700 MHz (11 channels)
- ITU designation: 16M8D1D
- Maximum output power: 10 mW/MHz rated

IEEE 802.11n 20 MHz

- Operating frequency range: 5500-5700 MHz (11 channels)
- ITU designation: 17M9D1D
- Maximum output power: 9.5 mW/MHz rated

IEEE 802.11n 40 MHz

- Operating frequency range: 5510-5670 MHz (5 channels)
- ITU designation: 36M3D1D
- Maximum output power: 5.0 mW/MHz rated

IEEE 802.11ac (VHT20)

- Operating frequency range: 5500-5700 MHz (11 channels)
- ITU designation: 17M9D1D
- Maximum output power: 9.5 mW/MHz rated

IEEE 802.11ac (VHT40)

- Operating frequency range: 5510-5670 MHz (5 channels)
- ITU designation: 36M3D1D
- Maximum output power: 5.0 mW/MHz rated

IEEE 802.11ac (VHT80)

- Operating frequency range: 5530-5610 MHz (2 channels)
- ITU designation: 75M7D1D
- Maximum output power: 2.5 mW/MHz rated

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

- Product description: 802.11 ac Unified Pro Access Point
- Trademark: ZyXEL
- Type Designation: WAC6502D-S
- Hardware version: 2976472602
- Software version: BootModule Version: V2.1 | 2014-06-16 | 10:48:40