

2.4GHz 300Mbps Hi-Power Outdoor Wireless WISP CPE

WIS-Q2300



TDMA protocol



dual-pola antenna







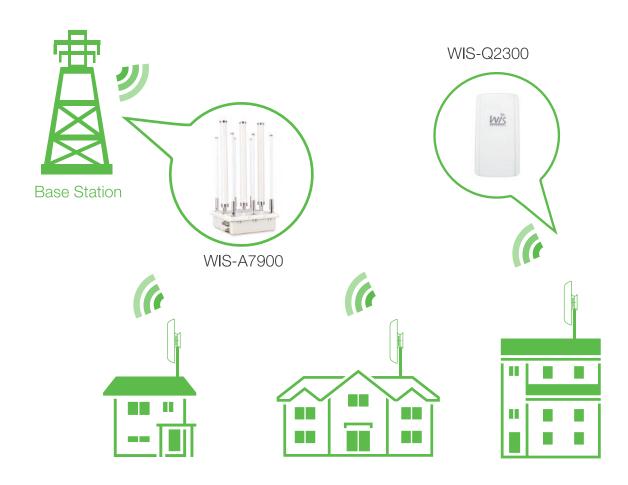
Product Overview

WIS-Q2300 is a high power outdoor wireless access point and CPE based on 802.11b/g/n technology. It is high performance, cost-effective and dedicated to long distance wireless network solutions. Featuring the revolutionary 2*2 MIMO power boost technology in hardware design and 12dBi directional dual-polarized antenna, WIS-Q2300 is specialized designed for rural Internet access, long distance wireless data transmission, wireless coverage extension and other industrial wireless solutions.

Features and Benefits

- WiD TDMA greatly improves the network scalability in throughput and latency
- Multi-operation modes support WISP station/Access Point/Gateway
- 12dBi dual-polarized antenna to build long distance Wi-Fi connection
- High output transmission power and receive sensitivity optimized
- Dual LAN ports selectable, easy to connect with IP Cam or another device
- Passive POE(24VDC) for flexible deployment
- Supports site survey and RSSI signal LEDs
- IP65 outdoor weather-proof housing selectable
- OEM/ODM, customized enclosure and software available

Network Example



The WIS-Q2300 as clients in PtMP WISP connection for home and enterprise users.

Specification

> Radio

- 802.11b/g/n radio (Atheros 600MHz)
- Speed up to 300 Mbps
- Frequency Range: 2.4-2.4835GHz
- Tx Power up to 27dBm
- Rx Sensitivity 300M: -73dBm@10% PER

54M: -78dBm@10% PER 1M: -98dBm@10% PER

> Antenna

- 12dBi dual-polarized directional antenna
- Beamwidth(HPBW): Horizontal: 60°, Vertical: 30°
- Open space up to 1~10km (dependent)

>Physical Parameters

- Dimension: 269*47*119mm

- Wight: 0.4kg

- Enclosure: Weatherproof Plastic

- ESD Protection: 15kV

- Lightning Protection: 4kV
- Working Temp: -40 ~ 65°C
- Storage Temp: -40 ~85°C
- Working Humidity: 10%~95% non-condensing

> Interfaces

- 1x 10/100Base-T Ethernet (RJ45 with Passive PoE)
- 1x 10/100Base-T Ethernet (Selectable)
- Reset

> Power

- 24VDC, 0.5A
- Power Consuption: 6W

>Security

- Integrated Firewall
- WPA/WPA2;WPA-PSK/WPA2-PSK (AES/TKIP) Encryption; 64/128-bit WEP;

>LED

- Power:On/Off
- LAN:On/Off/Flashing
- WLAN:On/Off/Flashing
- RSSI Signal: 1,2,3

>Warranty

- 1 Year

>Certification

- CE, RoHS

>Package content

- WIS-Q2300
- Quick Setup Guide
- Power Adapter with Passive PoE
- RJ-45 Ethernet Cable
- Mounting kits

Ordering Infomation

- WIS-Q2300: 1*RJ45 Port, up to 27dBm @300Mbps
- WIS-Q2300-2: 2*RJ45 Ports, up to 27dBm @300Mbps



DECLARATION OF CONFORMITY

We, Importer/Distributor DOTMEDIA LTD

KATEVASIAS & NTALIAS 18 AXARNAI, GREECE

In accordance with the following Directives:

EMC Directive 2004/108/EC, Low Voltage Directive 2006 /95/EC, R&TTE Directive 1999/5/EC

The product is compatible with the following norms/standards

Applied Standards	Report No.
Article 3.2 : Effective Use OF the Radio Spectrum ETSI EN 300 328 V1.7.1 (2006-10)	TEK-2013NT1213776R1 (07/01/2015)
Article 3.1b : Electromagnetic Compatibility ETSI EN 301 489-17 V2.2.1 (2012-09) ETSI EN301 489-1 V1.9.2 (2011-09)	NTEK-2013NT1213774E1 (07/01/2015)
Article 3.1a : Health and Safety ETSI EN 62311:2008 EN 60950-1:2006+A11:2009+A1:2010+A12:2011	NTEK-2013NT1213774H (07/01/2015) NTEK-2013NT1213776S (23/01/2015)

Hereby we declare that:

Equipment Access Point / Router

Model number Q2300, Q2300L, Q5300, Q5300L, S2300,

\$5300, CM2300, CM2300L, CM712AC, WM2300.

Brand name WISnetworks

Is in conformity with the applicable requirements of the following documents

I hereby declare that the equipment named above has been designed to comply with the Relevant sections of the above referenced specifications. The unit complies with all Applicable Essential Requirements of the Directives

Place and date of issue

Signature

AXARNAI, 27/5/2017

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(Theodoros Mavroeidis)