

# 2.4GHz 300Mbps Hi-Gain Outdoor Wireless WISP CPE

## WIS-Q2300L

**WID™**

TDMA protocol

**12dBi**

dual-pola antenna

**IP  
65**

protection level



## Product Overview

WIS-Q2300L is a high gain 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 2\*2 MIMO technology in hardware and 12dBi directional dual-polarized antenna, WIS-Q2300L 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 and bridge station mode
- 12dBi dual-polarized antenna to build long distance Wi-Fi connection
- Passive POE(24VDC) for flexible deployment
- Supports site survey and RSSI signal LEDs
- IP65 outdoor weather-proof housing selectable
- OEM/ODM, customized enclosure and label available

## Network Example



*The WIS-Q2300L as clients in PtMP WISP connection for home and enterprise users.*

## Specification

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### > Radio

- 802.11b/g/n radio (Atheros 600MHz)
  - Speed up to 300 Mbps
  - Frequency Range: 2.4-2.4835GHz
  - Tx Power up to 20dBm
  - Rx Sensitivity 300M: -73dBm@10% PER  
54M: -78dBm@10% PER  
1M: -98dBm@10% PER
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### > Antenna

- 12dBi dual-polarized directional antenna
  - Beamwidth(HPBW): Horizontal: 60°, Vertical: 30°
  - Open space up to 1~5km (dependent)
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### >Physical Parameters

- Dimension: 269\*47\*119mm
  - Weight: 0.4kg
  - Enclosure: Weatherproof Plastic
  - ESD Protection: 15kV
  - Working Temp: -20 ~ 65°C
  - Storage Temp: -40 ~85°C
  - Working Humidity: 10%~95% non-condensing
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### > Interfaces

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

### > Power

- 24VDC, 0.5A
  - Power Consumption: 4W
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### >Security

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

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

- 1 Year
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### >Certification

- CE, RoHS
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### >Package content

- WIS-Q2300L
- Quick Setup Guide
- Power Adapter with Passive PoE
- Mounting kits



## 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

<u>Applied Standards</u>	<u>Report No.</u>
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, S5300, 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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& ΕΦΑΡΜΟΓΩΝ ΠΛΗΡΟΦΟΡΙΚΗΣ ΕΠΕ  
ΥΠΗΡΕΣΙΕΣ ΕΠΕ  
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