

# 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