

2.4GHz 300Mbps Hi-Power Outdoor Wireless WISP CPE

WIS-Q2300

WID™

TDMA protocol

12dBi

dual-pola antenna



protection level



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
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> Antenna

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

- Dimension: 269*47*119mm
 - Weight: 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
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> Interfaces

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

- 24VDC, 0.5A
 - Power Consumption: 6W
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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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>Certification

- CE, RoHS
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>Package content

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

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