5GHz 300Mbps Hi-Power Outdoor Wireless WISP CPE / ROUTER

WIS-Q5300

WiD TDMA

27dBm 500mw

16dBi Antenna
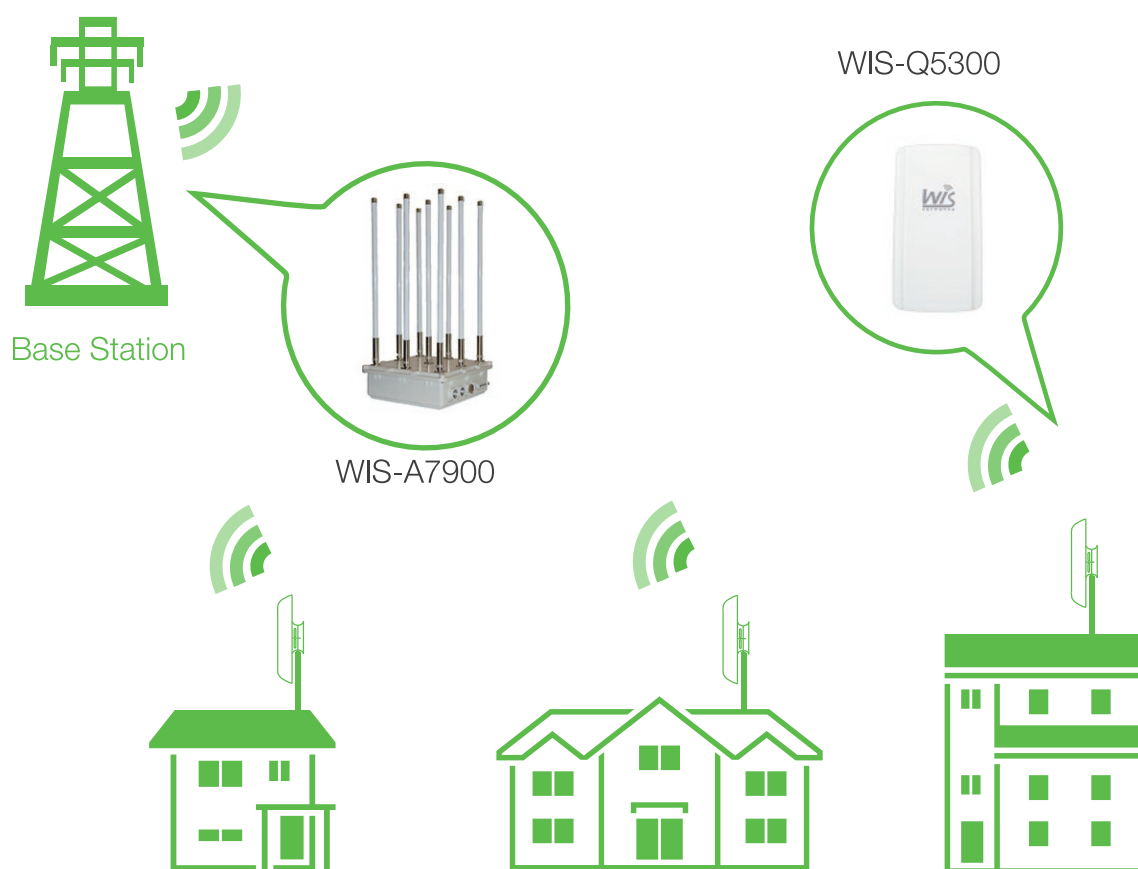
Gigabit Ethernet

PoE Passive

WISP Mode

Product Overview

WIS-Q5300 is a Hi-Power outdoor wireless access point and CPE based on 802.11a/n technology. It is high performance, cost-effective and dedicated to long distance wireless network solutions. Featuring the revolutionary power boost technology in hardware design and 16dBi directional dual-polarized antenna, WIS-Q5300 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
- Gigabit LAN port helps get maximum performance of Wi-Fi
- Multi-operation modes support WISP Mode/Router/Access Point/Station
- 16dBi dual-polarized antenna to build long distance wireless connection
- High output transmission power and receive sensitivity optimized
- 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

Base Station

WIS-Q5300

WIS-A7900

The WIS-Q5300 as clients in PtMP WISP connection for home and enterprise users.

Specification

> Radio

- 802.11a/n radio (Atheros 600MHz)
- Speed up to 300 Mbps
- Frequency Range: 5.150-5.250GHz
    5.250-5.350GHz (Support DFS)
    5.470-5.725GHz (Support DFS)
    5.725-5.825GHz
- Tx Power up to 27dBm
- Rx Sensitivity 300M: -74dBm@10% PER
    54M: -78dBm@10% PER
    1M: -98dBm@10% PER

> Antenna

- 16dBi dual-polarized directional antenna
- Beamwidth(HPBW)   Horizontal: 45°, Vertical: 14°
- Open space up to 1~10km (dependent)

>Physical Parameters

- Dimension: 180*95*44mm
- Wight: 0.27kg
- 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

>Security

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

> Interfaces

- 1x 10/100/1000 Base-T Ethernet
  (RJ45 with Passive PoE)
- Reset

> Power

- 24VDC, 0.75A
- Power Consuption: 6W

>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-Q5300
- Quick Setup Guide
- Power Adapter with Passive PoE
- RJ-45 Ethernet Cable
- Mounting kits