5GHz 300Mbps Outdoor High Gain Wireless TDMA CPE

WIS-Q5300L

5 GHz

WiD™

TDMA protocol

16dBi

dual-pola antenna

Product Overview

WIS-Q5300L is a 5GHz 300Mbps 2x2 MIMO outdoor wireless CPE based on 802.11a/n technology. It is high performance, cost-effective and dedicated to long distance wireless network solutions. Featuring the revolutionary WisOS technology in firmware design and 16dBi directional dual-polarized antenna, WIS-Q5300L is specialized designed for rural Internet access, long distance wireless data transmission, wireless coverage extension and other industrial wireless solutions.

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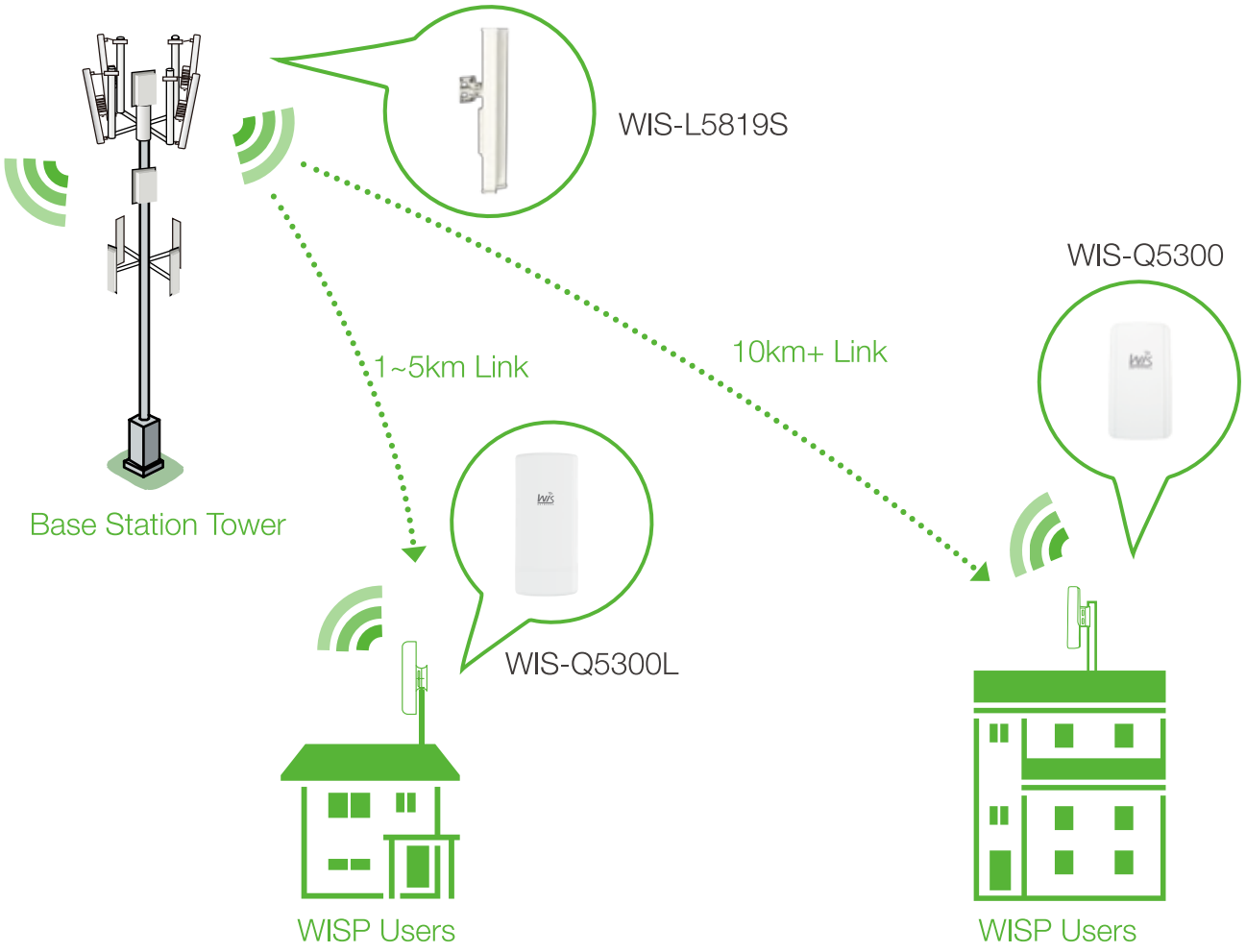
Features and Benefits

- Compliant with 802.11n/a, speed up to 300Mbps
- WiD TDMA greatly improves the network scalability in throughput and latency
- Multi-operation modes support Gateway/WISP/Client/Access Point/Repeater
- 16dBi dual-polarized antenna to build long distance Wi-Fi connection
- Passive POE(24VDC) for flexible deployment
- Supports RSSI signal LEDs
- Transmit power selectable and distance control
- Supports QoS: Traffic Control & WMM
- Supports MAC & IP Address Filter
- Supports WiController SNMP, Remote Management
- IP65 outdoor Weather-proof housing

Network Example



The WIS-Q5300L as a station in PtMP WISP connection.

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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 23dBm
- 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: 200*90*68mm
- 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
- 1x10/100 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
- 2 Years

>Certification
- CE, RoHS

>Package content
- WIS-Q5300L
- Quick Setup Guide
- Power Adapter with Passive PoE
- Mounting kits

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