

5GHz 300Mbps Hi-Power Outdoor Wireless Panel Bridge

WIS-L5819D

WID™

TDMA protocol

19dBi

dual-pola antenna

≈210Mbps+

real throughput



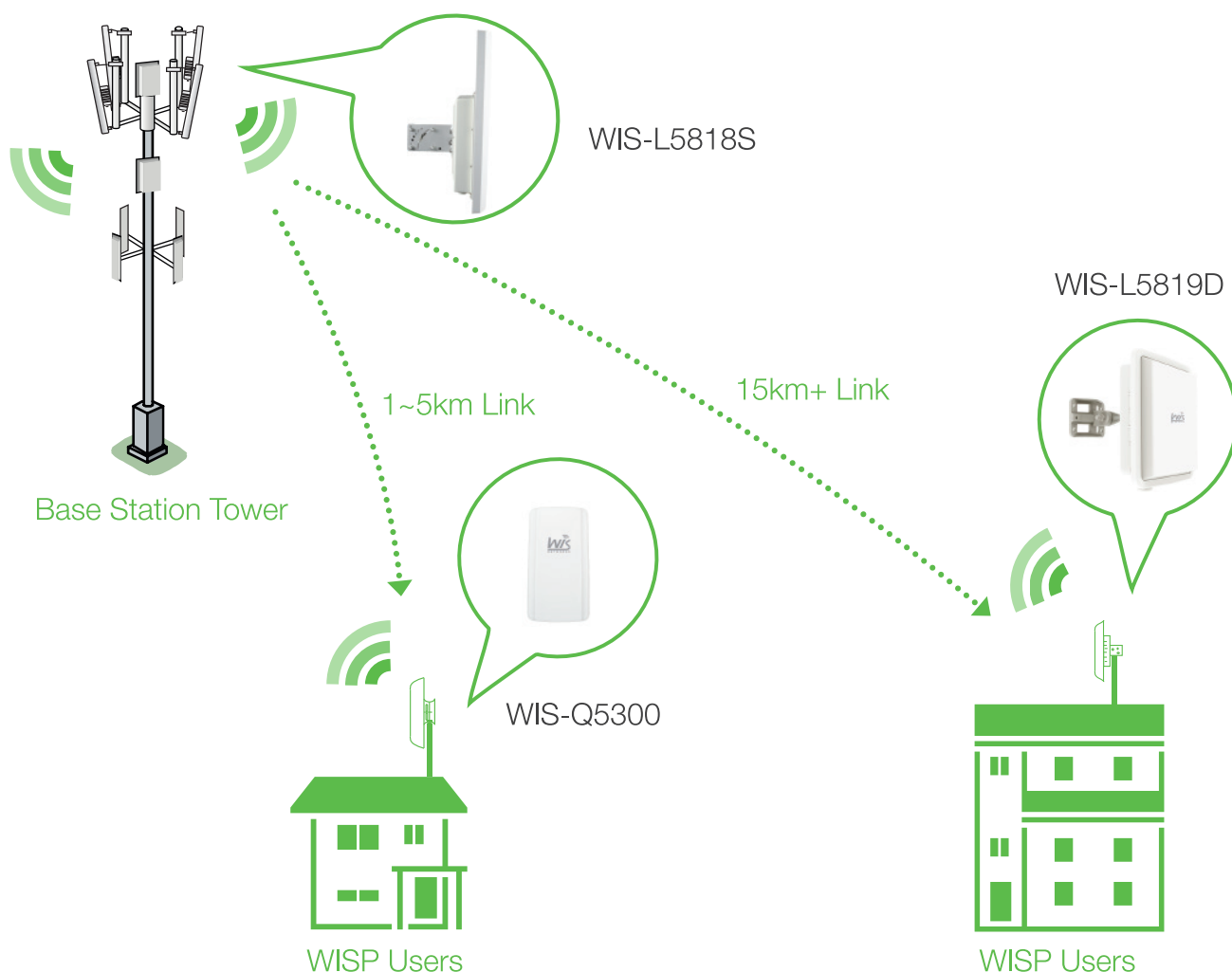
Product Overview

WIS-L5819D is a 300Mbps 2*2 MIMO Hi-Power outdoor wireless bridge/CPE based on 802.11a/n technology. It is industry die-cast IP67 design with high performance, cost-effective and dedicated to long distance wireless network solutions. Featuring the revolutionary WID TDMA technology, WIS-L5819D is fully compatible with Wisnetworks base station and CPE thus greatly improving the network scalability in throughput and latency. With 19dBi dual-polarized panel antenna, a pair of WIS-L5819D can easily build 15km+ long range wireless connection and keep a high speed rate. WIS-L5819D is best applied to rural wireless Internet, wireless backhaul and other industrial wireless solutions.

Features and Benefits

- WiD TDMA greatly improves the network scalability in throughput and latency
- Compliant with 802.11a/n, speed up to 300Mbps
- 19dBi dual-polarized panel antenna to build robust wireless PtP link
- Gigabit LAN port helps get maximum wireless performance
- High output transmission power and receive sensitivity optimized
- Easy deployment and adjustment with provided mounting kits
- Passive POE(24VDC) for flexible deployment
- IP67 outdoor die-cast aluminum weather-proof housing
- Up to 8kV lightning protection and 16kV ESD protection

Network Example



The WIS-L5819D as a station in PtMP WISP connection.

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

- 19dBi dual-polarized panel directional antenna
- Beamwidth(HPBW) Horizontal: 16°, Vertical: 16°
- Open space up to 1~25km (dependent)

>Physical Parameters

- Dimension: 228*228*76mm
- Wight: 1.7kg
- Enclosure: Die-cast Aluminum
- ESD Protection: 16kV
- Lightning Protection: 8kV
- Working Temp: -40 ~ 70°C
- Storage Temp: -40 ~85°C
- Working Humidity: 10%~95% non-condensing

> Power

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

> Interfaces

- 1x 10/100/1000 Base-T Ethernet (Gigabit LAN with Passive PoE)
- Grounding Terminal

>Security

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

>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-L5819D
- Quick Setup Guide
- Power Adapter with Passive PoE
- Mounting kits

Antenna Information

