



5GHz 2x2 MIMO Outdoor 802.11ac Wireless TDMA Base Station

WIS-L519AC | WIS-L520AC



## **Product Overview**

WIS-L519AC / WIS-L520AC are robust outdoor wireless base station featuring 802.11ac technology for high end wireless coverage and point to multi-point connections. Featuring 11ac high power wireless technology, the base station is ideal for WISP optimizing their network with better coverage ability and higher wireless capacity.

# **Features**

## **Extremely High Speed Connectivity**

- 802.11ac wireless standard
- 4xspeed than 802.11n devices
- Up to 867Mbps speed
- Gigabit LAN port



## **Updated 11AC Antenna**

- Better shielding design
- Higher front-back ratio
- Superior beam performance

# 15.0 — 13.2 — 11.3 — 9.4 — 7.5 — 5.6 — 3.8 — 1.9 — 0 — 3.1 — 6.2 — 9.4 — 12.5 — 18.7 — 21.8 — 25.0

## **Robust Outdoor Ability**

- Up to 8kV lightning protection
- Up to 24kV ESD protection
- IP67 waterproof housing
- -40C~70°C tolerance



## 150+ Online Clients

- 720MHz Atheros CPU
- 128MB DDR
- Multiple SSID&VLAN









# **Features and Benefits**

- WiD TDMA greatly improves the network scalability in throughput and latency
- Compliant with 802.11ac/n/a, speed up to 867Mbps
- Gigabit LAN port helps get maximum wireless performance
- High output transmission power and receive sensitivity optimized
- Easy deployment and adjustment with provided mounting kits
- 24V Passive PoE with remote reset for flexible deployment
- IP67 outdoor weather-proof housing and up to 24kV ESD protection













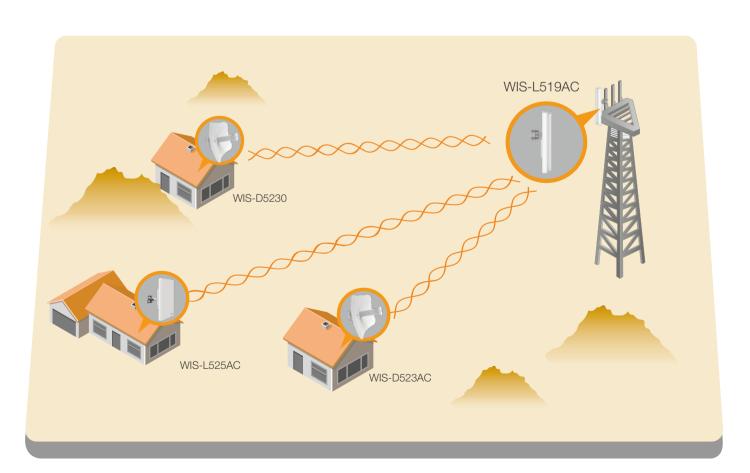








# **Network Diagram**





# **Specification**

#### > Radio

- 802.11ac/n/a radio (Atheros 720MHz)

- Speed up to 867 Mbps

- Frequency Range: 5.150-5.250GHz

5.250-5.350GHz 5.470-5.725GHz 5.725-5.825GHz

- Tx Power 27dBm±2

- Rx Sensitivity 867Mbps: -67dBm@10% PER

300M: -74dBm@10% PER 54M: -78dBm@10% PER 1M: -98dBm@10% PER

#### > Antenna

WIS-L519AC: 19dBi 120 degree sector antenna WIS-L520AC: 20dBi 90 degree sector antenna

### >Physical Parameters

- Dimension: 700\*133\*95mm

- Weight: 2.9kg

- Enclosure: Weatherproof ASA

ESD Protection: 16kV
Lightning Protection: 8kV
Working Temp: -30 ~ 70°C
Storage Temp: -40 ~85°C

- Working Humidity: 10%~95% non-condensing

#### > Power

- 24VDC, 0.75A

- Power Consuption: 10W

#### >Security

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

#### > Interfaces

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

#### > LED

- Power:On/Off
- LAN:On/Off/Flashing
- WLAN:On/Off/Flashing
- RSSI Signal: 1,2,3

#### >Warranty

- 2 Year

#### >Certification

- CE, FCC, RoHS

#### >Package content

- WIS-L519AC/WIS-L520AC
- Quick Setup Guide
- Power Adapter with Passive PoE
- Mounting kits

#### Wisnetworks Technologies Co., Ltd.

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