802.11ac

AC *1200*

1167Mbps Outdoor Dual-Band Wireless Base Station
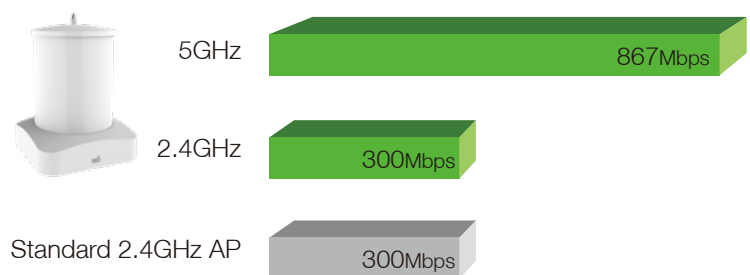
WIS-S806AC

Version 1.0

Product Overview

WIS-S806AC is a robust outdoor wireless base station featuring 802.11ac technology for high end wireless coverage. Featuring 11ac high power wireless technology, the WIS-L700AC is ideal for WISP optimizing their network with both backhaul and coverage ability by using together with Wisnetworks antennas.

Features

Extremely High Speed Connectivity

- 802.11ac wireless standard
- 4xspeed than 802.11n devices
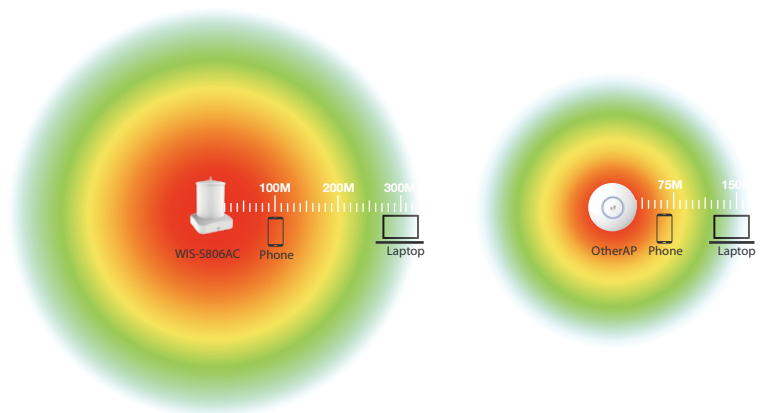- Up to 867Mbps+300Mbps speed
- Gigabit LAN port

5GHz — 867Mbps

2.4GHz — 300Mbps

Standard 2.4GHz AP — 300Mbps

Amazing Outdoor Performance

- 50km+ availability backhaul
- Up to 30dBm tx power
- WiD TDMA 11AC
- Fully work with WIS antenna

Dual-Band Wireless

- 2.4GHz Coverage + 5GHz Backhaul
- 2.4GHz & 5GHz Coverage

100M 200M 300M
WIS-S806AC Phone Laptop

75M 150
OtherAP Phone Laptop

150+ Online Clients

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

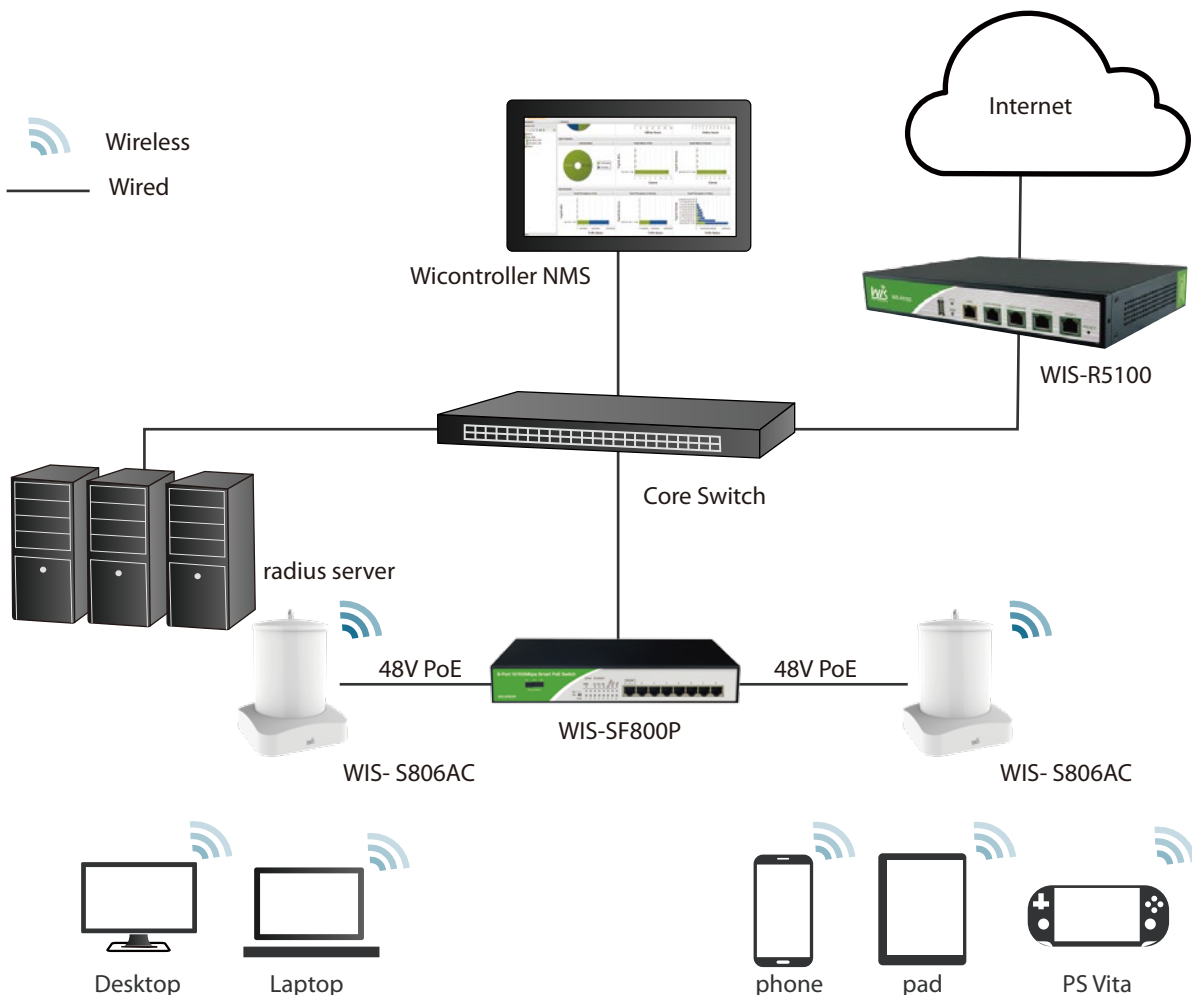Atheros 720MHz

128MB RAM

16MB Flash

Features and Benefits

- WiD TDMA greatly improves the network scalability in throughput and latency
- Concurrent 2.4GHz and 5GHz Dual band
- Compliant with 802.11ac/n/a/g/b, speed up to 1167Mbps
- Gigabit LAN port helps get maximum wireless performance
- High output transmission power and receive sensitivity optimized
- Easy deployment and adjustment with provided mounting kits
- 802.3af POE(48VDC) for flexible deployment

1167 Mbps	AC	150		8kV			
2x2 MIMO	802.11ac	Online Users	IP65 Protection	lightning Protection	Gigabit Ethernet	WiController NMS	802.3af PoE

Network Diagram

Wireless

Wired

Internet

Wicontroller NMS

WIS-R5100

Core Switch

radius server

48V PoE   48V PoE

WIS-SF800P

WIS- S806AC   WIS- S806AC

Desktop   Laptop

phone   pad   PS Vita

Specification

> Radio

- 802.11a/n radio (Atheros QCA 720MHz)
- 2.4GHz Speed up to 300Mbps
- 5GHz Speed up to 867Mbps
- Frequency Range: 5.150-5.825GHz
- Tx Power up to 30dBm
- Rx Sensitivity 11ac: -68dBm@10% PER
  11a: -78dBm@10% PER
  11b: -98dBm@10% PER

> Antenna

- 4* N typo antenna connectors

>Physical Parameters

- Dimension: 178*178*238mm
- Wight: 2.3kg
- 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

- 48VDC, 0.32A
- Power Consuption: 15W

>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)
- Grounding Terminal
- 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-S806AC
- Quick Setup Guide
- Power Adapter with PoE
- Mounting kits