



**AC 900**  
**802.11ac/n/a**

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

**WIS-S800AC**

Version 1.0

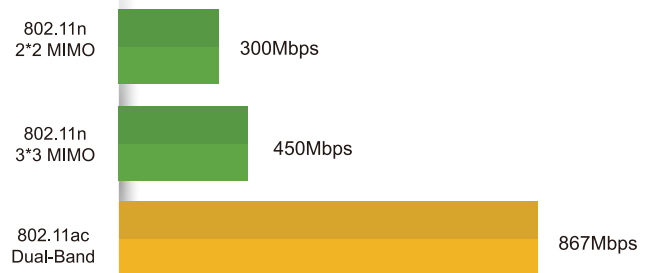
# Product Overview

WIS-S800AC is a robust outdoor wireless base station featuring 802.11ac technology for high end wireless coverage and point to point connections. Featuring 11ac high power wireless technology, the WIS-LS800AC 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
- 3x speed than 802.11n devices
- Up to 867Mbps speed
- Gigabit LAN port



### Amazing Outdoor Performance

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



**Sector Base Station :**  
WIS-S800AC + WIS-ANS5819-120



**PtP Backhaul :**  
WIS-S800AC + WIS-AND5829D

### 150+ Online Clients

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

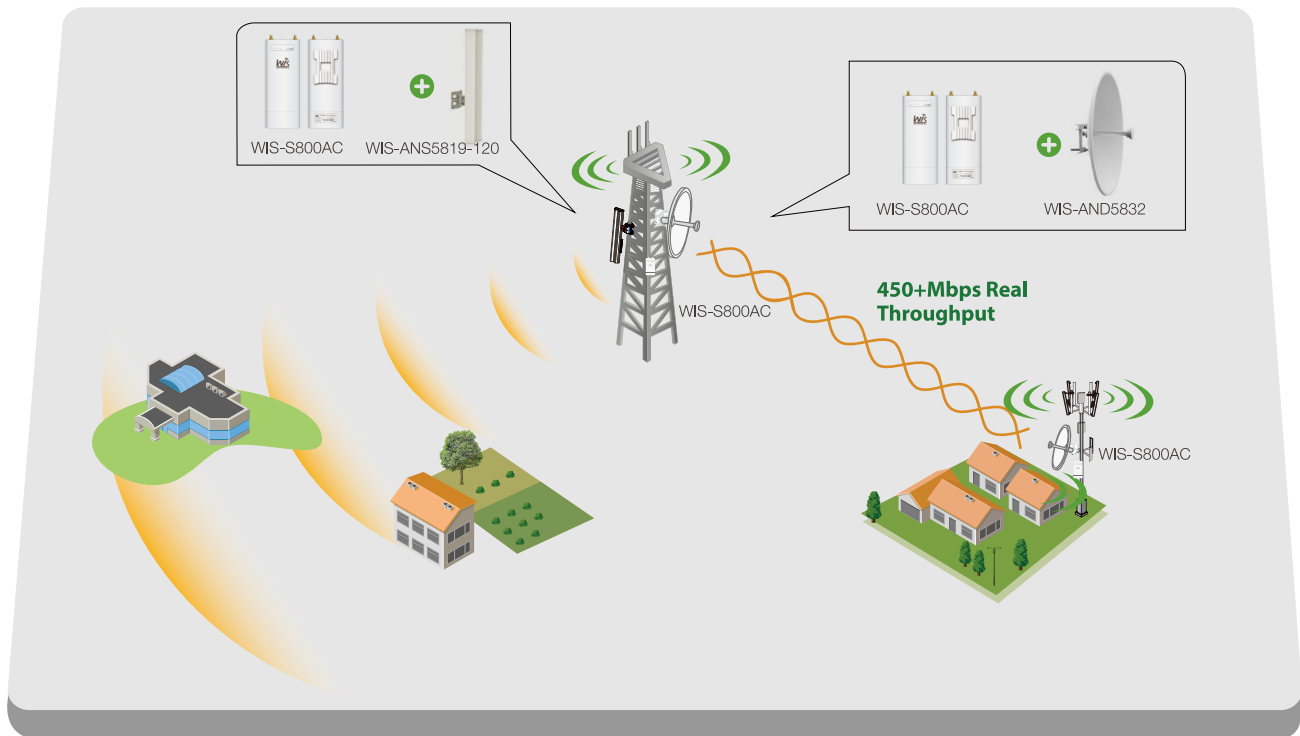


## Features and Benefits

- 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



## 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

- 2\* RP-SMA antenna connectors

## >Physical Parameters

- Dimension: 214\*92\*32mm
- Wight: 0.24kg
- Enclosure: Weatherproof ASA
- ESD Protection: 16kV
- Lightning Protection: 2kV
- Working Temp: -30 ~ 70°C
- Storage Temp: -40 ~85°C
- Working Humidity: 10%~95% non-condensing

## > Power

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

## >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-S800AC
- Quick Setup Guide
- Power Adapter with Passive PoE
- Mounting kits

## Wisnetworks Technologies Co., Ltd.

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Community: [community.wisnetworks.com](http://community.wisnetworks.com)

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## DECLARATION OF CONFORMITY

We, Importer/Distributor DOTMEDIA LTD

*KATEVASIAS & NTALIAS 18 AXARNAI, GREECE*

In accordance with the following Directives:

**EMC Directive 2004/108/EC, Low Voltage Directive 2006 /95/EC,  
R&TTE Directive 1999/5/EC**

The product is compatible with the following norms/standards

<u>Applied Standards</u>	<u>Report No.</u>
Article 3.2 : Effective Use OF the Radio Spectrum ETSI EN 300 328 V1.7.1 (2006-10)	TEK-2013NT1213776R1 (07/01/2015)
Article 3.1b : Electromagnetic Compatibility ETSI EN 301 489-17 V2.2.1 (2012-09) ETSI EN301 489-1 V1.9.2 (2011-09)	NTEK-2013NT1213774E1 (07/01/2015)
Article 3.1a : Health and Safety ETSI EN 62311:2008 EN 60950-1:2006+A11:2009+A1:2010+A12:2011	NTEK-2013NT1213774H (07/01/2015) NTEK-2013NT1213776S (23/01/2015)

### Hereby we declare that:

Equipment                      ACCESS POINTS  
Model number  
D5230/G5250/D523AC/WCAP/WCAP-AC-OS/WCAP-AC-OL  
/WCAP-AC/WCAP-AC-L/WCAP-AC/WCAP-AC-PROM/WCAP/WCAP-  
WS/WCAP-AC-W/WCAP-HP/WCAP V2-5pcs/WCAP-AC-L-  
5pcs/WCAP-AC-5pcs/ WIS-S800AC/WIS-S806AC/  
Brand name                      WISnetworks

*Is in conformity with the applicable requirements of the following documents*  
I hereby declare that the equipment named above has been designed to comply with the  
Relevant sections of the above referenced specifications. The unit complies with all  
Applicable Essential Requirements of the Directives

Place and date of issue

AXARNAI, 09/03/2018

Signature

DOTMEDIA ΕΜΠΟΡΙΑ ΑΝΑΛΩΣΙΜΩΝ ΕΙΔΩΝ  
& ΕΦΑΡΜΟΓΩΝ ΠΛΗΡΟΦΟΡΙΚΗΣ ΕΠΕ  
ΧΩΝΔΡΙΚΟ ΕΜΠΟΡΙΟ ΚΑΙ ΕΠΙΧΕΙΡΗΣΙΑΚΟ ΣΕΡΒΙΣ  
ΚΑΤΕΒΑΣΙΑΣ & ΝΤΑΛΙΑΣ ΑΧΑΡΝΕΣ Τ.Κ. 17671  
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