## 5GHz 300Mbps Hi-Power Outdoor Wireless TDMA Base Station

## WIS-S5300



## Product Overview

WIS-S5300 is a 300Mbps 2*2 MIMO Hi-Power outdoor wireless access point based on $802.11 \mathrm{a} / \mathrm{n}$ technology. It is industry weatherproof design with incredible range, cost-effective and dedicated to high performance wireless network solutions. Featuring the revolutionary WiD TDMA technology, the WIS-S5300 is fully compatible with Wisnetworks base station and CPE thus greatly improving the network scalability in throughput and latency. With detachable antenna design, the WIS-S5300 could work seamlessly with all Wisnetworks antennas and provide flexible solutions to customers. WIS-S5300 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
- Seamlessly work with Wisnetworks sector/dish/omni antenna
- Compliant with $802.11 \mathrm{a} / \mathrm{n}$, speed up to 300Mbps
- 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
- Weatherproof design with water cover kit
- Up to 16kV ESD protection


## Network Example



The WIS-S5300 as base station in PtMP WISP connection.

## Specification

## $>$ Radio

- 802.11a/n radio (Atheros 600MHz)
- Speed up to 300 Mbps
- Frequency Range: $5.150-5.250 \mathrm{GHz}$
$5.250-5.350 \mathrm{GHz}$
$5.470-5.725 \mathrm{GHz}$
$5.725-5.825 \mathrm{GHz}$
- Tx Power up to 27 dBm
- Rx Sensitivity 300M: -74dBm@10\% PER

54M: -78dBm@10\% PER
1M: -98dBm@10\% PER
> Antenna

- 2* RP-SMA antenna connector
>Physical Parameters
- Dimension: 164*92*32mm
- Wight: 0.24kg
- Enclosure: Weatherproof ASA
- ESD Protection: 16kV
- Lightning Protection: 2kV
- Working Temp: - $30 \sim 70^{\circ} \mathrm{C}$
- Storage Temp: $-40 \sim 85^{\circ} \mathrm{C}$
- Working Humidity: 10\%~95\% non-condensing


## > Power

- 24VDC, 0.75A
- Power Consuption: 6W
> Interfaces
- 1x 10/100/1000 Base-T Ethernet
(Gigabit LAN with Passive PoE)
- Reset
>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-S5300
- Quick Setup Guide
- Power Adapter with Passive PoE
- Mounting kits


## Related Antenna



19dBi $120^{\circ}$ Sector Antenna WIS-ANS5819-120



32dBi Dish Antenna WIS-AND5832



12dBi Omni Antenna WIS-ANO5812

## 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

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

## Hereby we declare that:

| Equipment | Access Point / Router |
| :--- | :--- |
| Model number | Q2300, Q2300L, Q5300, Q5300L, S2300, |
| S5300, CM2300, CM2300L, CM712AC, WM2300. |  |
| 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

(Theodoros Mavroeidis)

