



AC 900
802.11ac/n/a

5GHz 867Mbps Outdoor 802.11ac 23dBi Dish Wireless Bridge/CPE

WIS-D523AC

Version 1.0

Wisnetworks Technologies Co., Ltd.

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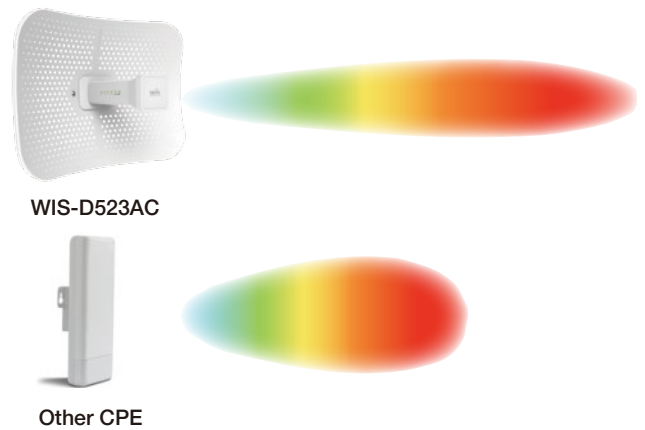
Product Overview

WIS-D523AC is a 867Mbps 2*2 MIMO outdoor wireless dish bridge for long range point-to-point and point-to-multi-point solutions. It is the most cost-effective and ultimate solution for WISP CPE, which provides incredible long range much better than any other vendors solution.

Features

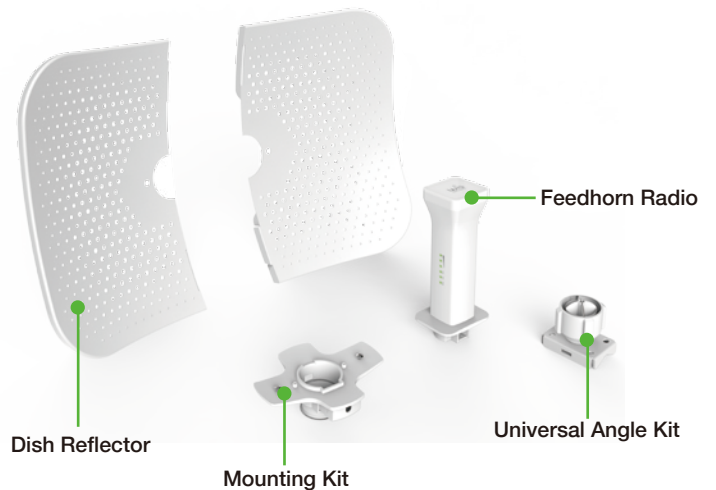
Incredible Long Range

- Up to 25dBm Tx Power
- Dish Antenna Gain 23dBi
- Radio-in-Feed design reduces cable loss
- Narrower Beamwidth for noise immunity



Revolutionary Design

- Disassembled Dish Design
- 360 Universal Antenna Alignment
- IP66 Waterproof



Full Feature & Performance

- Full WisOS Support
- Auto-Distance Adjust
- 20km+ Availability
- Fully Managed by WiController

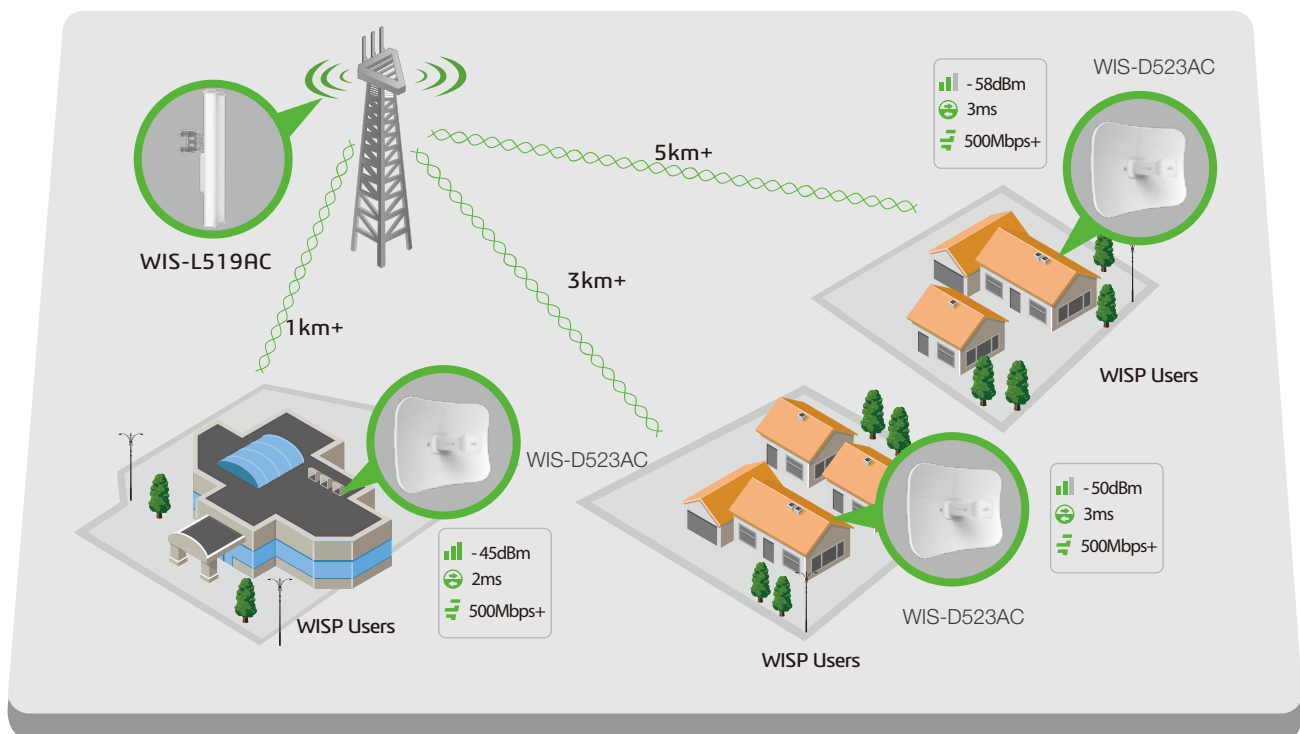


Features and Benefits

- Compliant with 802.11 ac/n/a, speed up to 867Mbps
- 23dBi dual-polarized dish antenna to build robust long range wireless PtP link
- High output transmission power and receive sensitivity optimized
- 80/40/20MHz selectable for channel bandwidth
- Easy deployment and adjustment with provided mounting kits
- Managed with web interface or by NMS WiController
- Passive POE(24VDC) for flexible deployment
- Weather-proof design for outdoor environment
- Up to16kV ESD protection



Network Diagram



Specification

> Radio

- 802.11ac/n/a radio (Atheros 775MHz)
- 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

- 23dBi dual-polarized dish antenna
- Beamwidth(HPBW) Horizontal: 10°, Vertical: 10°
- Open space up to 1~20km (dependent)

>Physical Parameters

- Dimension: 350*270*255mm
- Wight: 3kg
- Feedhorn enclosure: ASA Weatherproof
- ESD Protection: 16kV
- Working Temp: -40 ~ 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 (24VDC Passive PoE)

> LED

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

>Warranty

- 2 Year

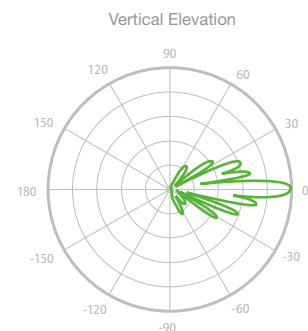
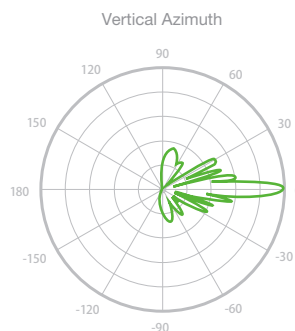
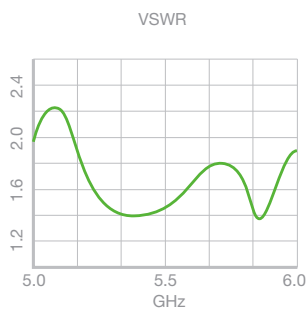
>Certification

- CE, RoHS

>Package content

- WIS-D523AC Feedhorn Radio
- Feed Receiver
- Quick Setup Guide
- Power Adapter with Passive PoE
- Mounting bracket & kits

Antenna Information





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 ΠΑΡΑΓΩΓΗ ΕΞΑΡΤΗΜΑΤΩΝ
ΚΑΤΕΒΑΣΙΑΣ & ΝΤΑΛΙΑΣ, ΑΧΑΡΝΕΣ Τ.Κ. 17671
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(Theodoros Mavroeidis)