



5GHz Hi-Power Outdoor TDMA Wireless Bridge

WIS-D525

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Version 1.0

Product Overview

With 25dBi high-gain directional 2x2 MIMO Cassegrain antenna and dedicated metal reflector, the WIS-D525 provides excellent beam directivity, improved latency and noise immunity. Professional performance, coupled with user-friendly design, makes the 5GHz 300Mbps 25dBi Outdoor WIS-D525 an ideal choice and cost effective solution for outdoor wireless networking applications.

Features

Incredible Long Range

- Up to 27dbm Tx Power
- 25dBi MIMO Dish antenna
- Wireless Speed up to 300Mbps
- Narrower Beamwidth for noise immunity



Wireless Solutions for Surveillance

- Cost-effective passive PoE
- IP65 Waterproof
- Multiple mounting methods
- Extremely Amazing Performance



Full Feature & Performance

- Full WisOS TDMA Support
- Auto-Distance Adjust
- 15km+ Availability
- Fully Managed by WiController

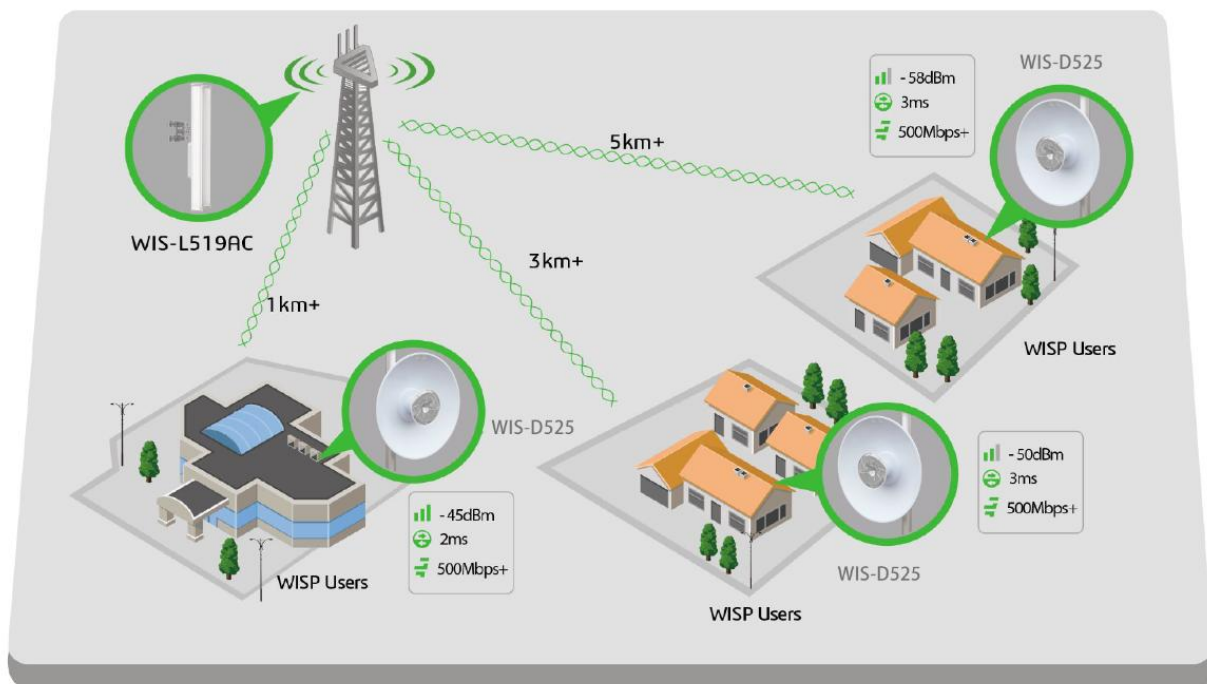


Features and Benefits

- Up to 300Mbps on 5GHz wireless data rates
- 25dBi high-gain directional 2x2 MIMO antenna and a dedicated metal reflector, ideal for long-distance application
- Excellent beam directivity, improved latency and noise cancellation
- Innovative snap-lock parts make for fast assembly and a sturdy structural design keeps
- WIS-D525 stable even in strong winds
- Durable IP65 weatherproof enclosure along with 15 kV ESD and 6 kV lightning protection ensures all-weather suitability
- TDMA technology improves throughput, capacity and latency performance
- Passive PoE supports to allow flexible deployment and convenient installation



Network Diagram



Specifications

Radio

- 802.11a/n radio
- Wireless Speed up to 300Mbps
- Frequency Range:
 - 5.150-5.250GHz
 - 5.250-5.350GHz (Support DFS)
 - 5.470-5.725GHz(Support DFS)
 - 5.725-5.825GHz
- Tx Power up to 27dbm
- Rx Sensitivity
 - 300M:-71dBm@10% PER
 - 54M:-75dBm@10% PER
 - 6M:-95dBm@10% PER

Antenna

- 25dBi dish antenna
- Beamwidth(HPBW) Horizontal:11°, Vertical:11°
- Open space 5-15KM

Physical Parameters

- Dimension: Φ 400mm
- Wight: 2.6kg
- Enclosure: Aluminum (Dish)
- ESD Protection: 16kV
- Working Temp: -40 ~ 70°C
- Storage Temp: -40 ~85°C
- Working Humidity: 10%~95% non-condensing

Interfaces

- 1x 10/100 Base-T Ethernet
(100Mbps LAN with Passive PoE)

Security

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

LED

- Power: On/Off
- LAN:On/Off/Flashing
- 5G:RSSI Signal Red/Blue/Green

Power

- 24VDC, 0.5A
- Power Consumption: 6W

Certification

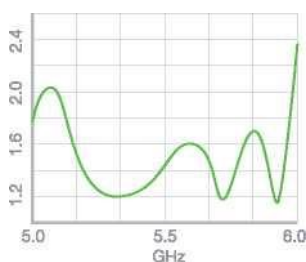
- CE, RoHS

Package content

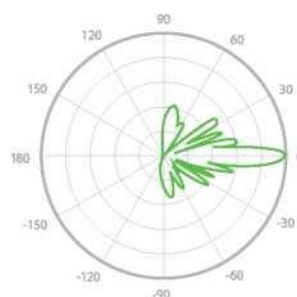
- WIS-D525 Radio
- 25dBi Dish
- Quick Setup Guide
- Power Adapter with Passive PoE
- Mounting bracket & kits

Specifications

VSWR



Vertical Azimuth



Vertical Elevation

