



Wi-Fi 6 Hi-Power Outdoor Wireless Bridge

**WIS-D525AX**

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Version 1.0

## Product Overview

WIS-D525AX is a 1201Mbps 2\*2 MIMO Hi-Power outdoor wireless dish bridge based on 802.11ax technology. It is industry die-cast IP65 design with high performance, cost-effective and dedicated to long distance wireless network solutions. Featuring the revolutionary Mu-Mimo technology, WIS-D525AX is fully compatible with Wisnetworks base station and CPE thus greatly improving the network scalability in throughput and latency. With 25dBi dual-polarized dish antenna, a pair of WIS-D525AX can easily build 20km+ long range wireless connection and keep a high speed rate. WIS-D525AX is best applied to rural wireless Internet, wireless backhaul and other industrial wireless solutions.

## Features

### Incredible Long Range

- Up to 27dBm Tx Power
- 25dBi MIMO Dish antenna
- Wireless Speed up to 1201Mbps
- 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 Support
- Auto-Distance Adjust
- 15km+ Availability
- Fully Managed by WiController

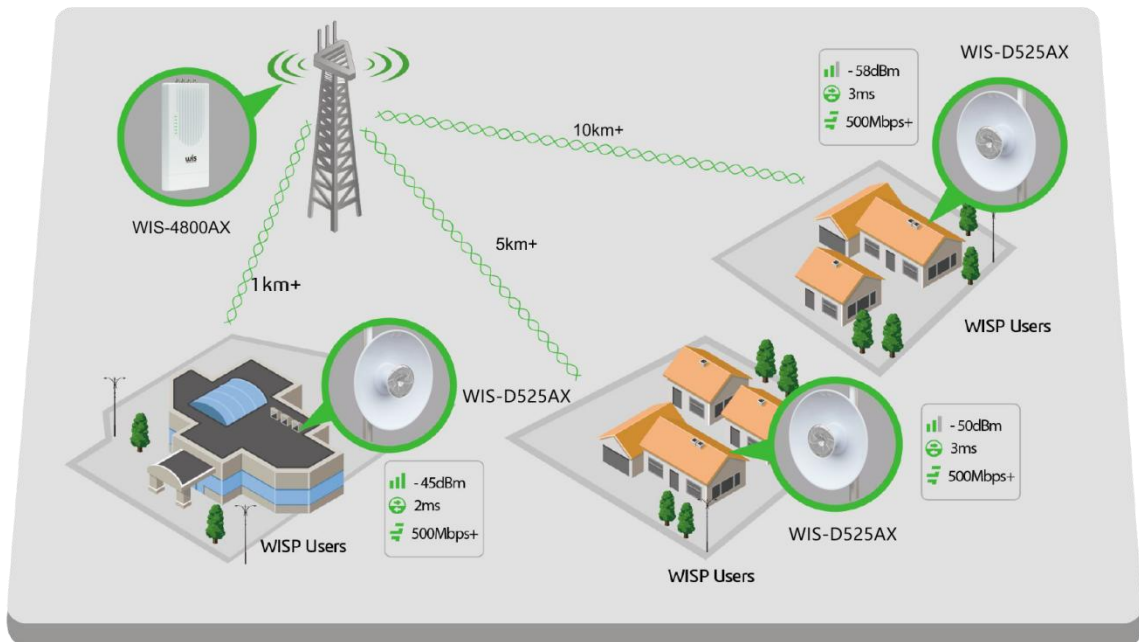


## Features and Benefits

- 25dBi dish antenna to build robust wireless PtP link
- Compliant with 802.11acx Wireless speed up to 1201Mbps
- Wireless Solutions for Surveillance
- 5 kilometers throughput 300Mbps+
- 160/80/40/20MHz selectable for channel bandwidth
- Easy deployment and adjustment with provided mounting kits
- Passive POE(24VDC) for flexible deployment
- Weather-proof design for outdoor environment
- Up to16kV ESD protection



## Network Diagram



# Specifications

## Radio

- 802.11a/n/ac/ax radio
- Wireless Speed up to 1201Mbps
- 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
- 1M:-95dBm@10% PER

## Antenna

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

## Physical Parameters

- Dimension:  $\Phi$ 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 10/100/1000 Base-T Ethernet (Gigabit 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
- WLAN:On/Off/Flashing
- RSSI Signal:1,2,3

## Power

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

## Certification

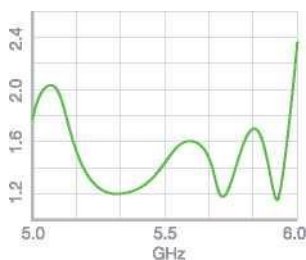
- CE, RoHS

## Package content

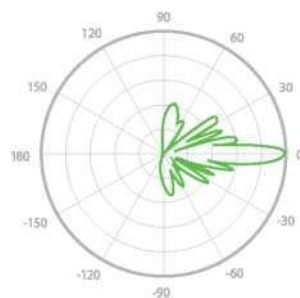
- WIS-D525AX Radio
- 25dBi Dish
- Quick Setup Guide
- Power Adapter with Passive PoE
- Mounting bracket & kits

# Specifications

VSWR



Vertical Azimuth



Vertical Elevation

