



5GHz Outdoor Wireless CPE

WIS-Q450

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Version 1.0

Product Overview

WIS-Q450 is a 4330Mbps 1*1 MIMO outdoor wireless CPE for 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 23dbm Tx Power
- 14dBi directional antenna
- Wireless Speed up to 433Mbps
- Narrower Beamwidth for noise immunity



WIS-Q450



Other CPE



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
- 2km+ Availability
- Fully Managed by WiController

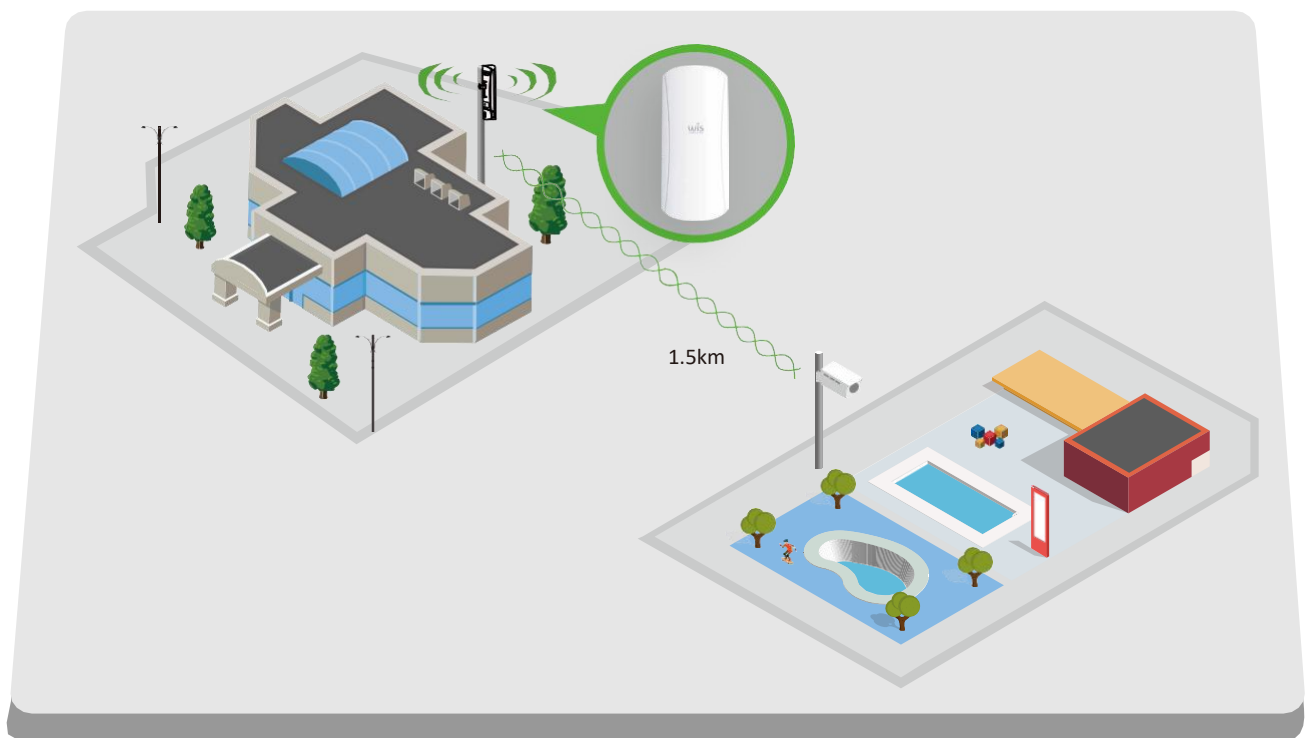


Features and Benefits

- 14dBi panel antenna to build robust wireless PtP link
- Compliant with 802.11ac/n/a, Wireless speed up to 433Mbps
- Wireless Solutions for Surveillance
- 2 kilometers throughput 90+
- 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 radio
- Wireless Speed up to 433Mbps
- 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 23dbm
- Rx Sensitivity
- 300M:-71dBm@10% PER
- 54M:-75dBm@10% PER
- 1M:-95dBm@10% PER

Antenna

- 14dBi panel antenna
- Beamwidth(HPBW) Horizontal:45°, Vertical:45°
- Open space 1-4KM

Physical Parameters

- Dimension:177mm*80mm*65mm
- Weight:0.3kg
- Enclosure: Weatherproof Plastic
- ESD Protection: 15kV
- Lightning Protection: 4kV
- Working Temp: -40~65°C
- Storage Temp: -40~85°C
- Working Humidity: 10%~95% non-condensing

Security

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

Interfaces

- 14dBi panel antenna
- Beamwidth(HPBW) Horizontal:45°, Vertical:45°
- Open space 1-4KM

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

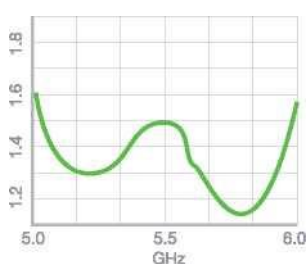
- CE, RoHS

Package content

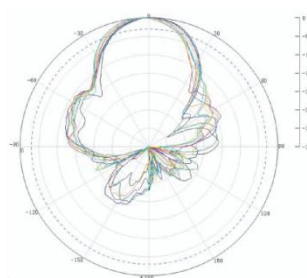
- WIS-Q450
- Quick Setup Guide
- Power Adapter with Passive PoE
- Mounting kits

Antenna Information

VSWR



Vertical Azimuth



Vertical Elevation

