



# Dual-Band 11ac 2x2 MIMO Wireless Ceiling Access Point

WIS-CM712AC

**WISNETWORKS TECHNOLOGIES CO., LTD.**

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Version 1.0

## Product Overview

WIS-CM712AC is a stylish PoE Wireless Access Point featuring 802.11ac 2\*2 MIMO technology for high end indoor wireless coverage. With Wisnetworks hi-power technology and integrated smart antenna design WIS-CM711AC will provide extended coverage area and ideal for handling multiple HD movies stream, on-line game, stereo music, VoIP and data streams at the same time stably and smoothly. This perfect product is ideal for enterprises, hotels, hospitals and home users to experience the extreme high performance wireless network.

## Features

### Extremely High Speed Connectivity

- 802.11ac wireless standard
- 4x speed than 802.11n devices
- Up to 867Mbps+300Mbps speed
- Gigabit LAN port

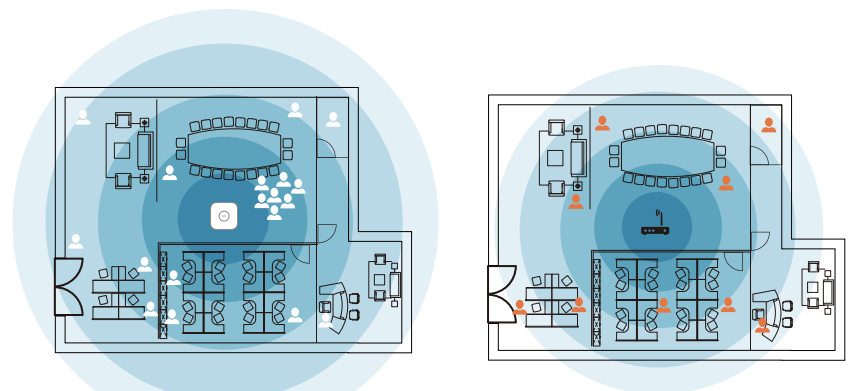


### Boosted indoor coverage area

- Beamforming technology
- 2x2MIMO with 2 Spatial Streams
- 23dBm tx power
- Up to 2x extended coverage

### More concurrent online user

- Dual Radio design
- Up to 8 Multiple SSIDs
- Up to 150 online user per unit

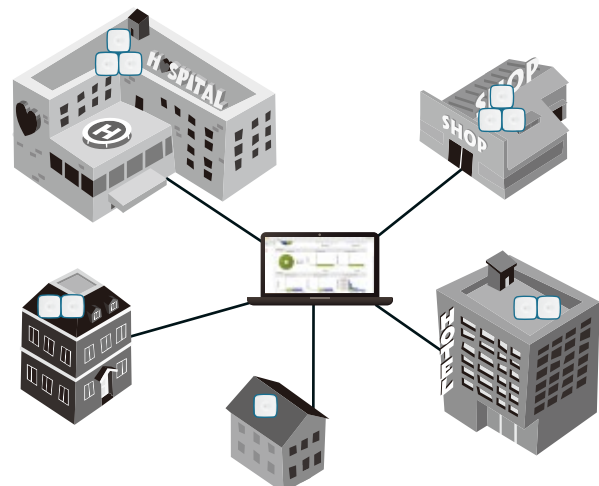


**WIS-CM712AC**  
Online users: 87 Maximum Range: 57m

**Other AP**  
Online users: 25 Maximum Range: 32m

### Centrally Managed Network

- Auto discovering / applying configuration
- Wireless client management
- Massive upgrading firmware & reboot
- Statistics & Alert



### Features List

- Compliant with 802.11ac/n/g/a/b, speed up to 1167Mbps
- Integrated antenna and tx power adjustable
- Up to 150 concurrent users of cellphone / laptop
- High output transmission power and receive sensitivity optimized
- Up to 4 Multiple SSID
- 802.3af POE(48VDC) for flexible deployment
- Supports QoS: Traffic Control & WMM
- Supports MAC & IP Address Filter
- Supports mass management with Wisnetworks WiController
- Easy to install with ceiling mount and wall mount



2x2 MIMO



802.11AC

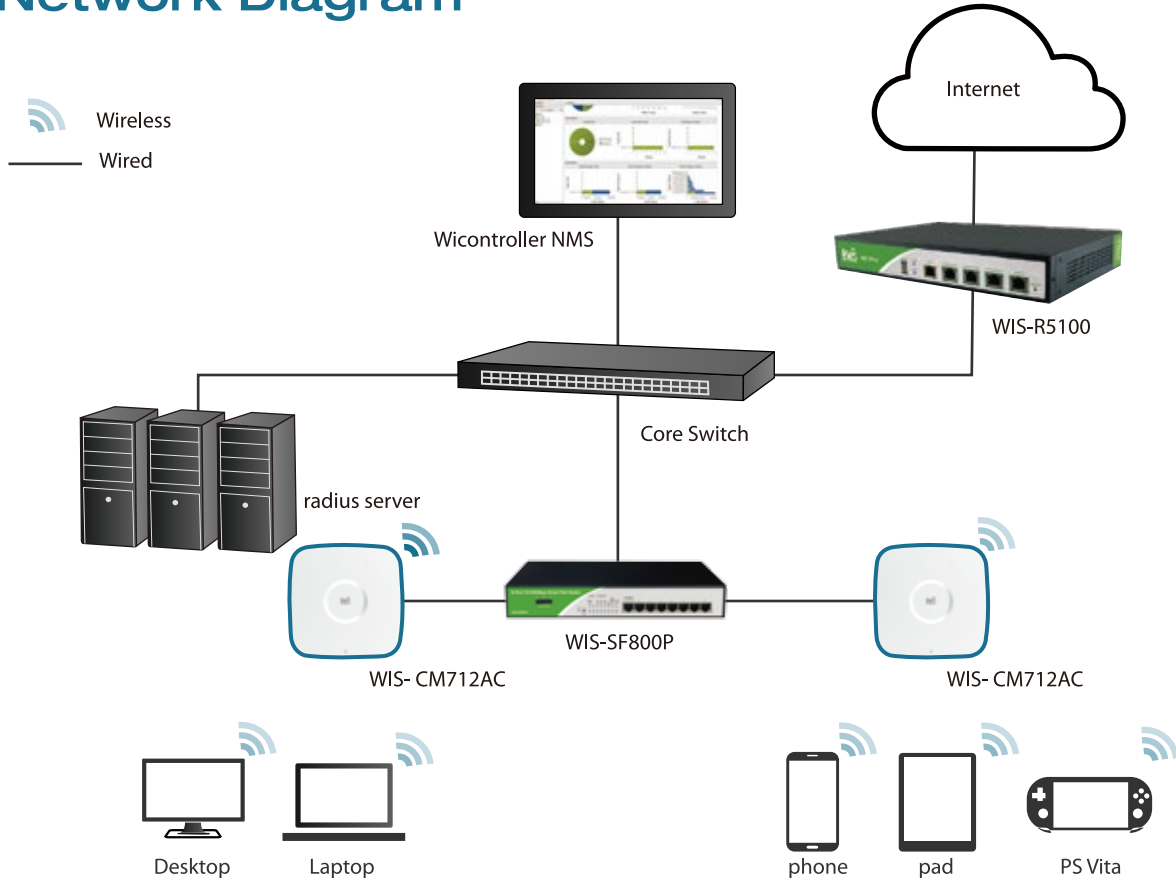


150online users



WiController NMS

### Network Diagram



## Specification

### > Radio

- 802.11b/g/n/ac radio (Atheros)
- Flash 16MB, RAM 128MB
- Speed up to 1.167 Gbps
- Frequency Range: 2.4-2.4835GHz  
5.15-5.850GHz
- Tx Power up to 23dBm
- Rx Sensitivity : -74dBm@MCS9-HT40  
-76dBm@MCS9-HT20  
-89dBm@MCS0-HT40  
-90dBm@MCS0-HT20

### > Antenna

- 3dBi dual-band omni antenna

### > Physical Parameters

- Dimension: 168\*168\*30mm
- Weight: 0.5kg
- Ceiling/Wall Mounting
- Working Temp: -10~55°C
- Storage Temp: -40~85°C
- Working Humidity: 0%~95% non-condensing

### > Power

- 48~56VDC PoE
- Power Consumption: 15W

### > Security

- Integrated Firewall
- WPA/WPA2; WPA-PSK/WPA2-PSK (AES/TKIP)  
Encryption; 64/128-bit WEP;
- Broadcast storm filtering
- RADIUS client

### > Networking

- Bridge / Router Mode
- Channel Isolation
- Multiple ESSID&BSSID
- 802.1q VLAN
- QoS: Bandwidth Control and 802.11e/WMM

### > Management

- Auto discovery / applying configuration
- Client Load Control
- Black/ White List filter
- Email Alarm & Alert
- Scheduled tasks
- Web GUI, Telnet CLI
- SNMP v2 (NMS)
- Remote software upgrade

### > Protection

- ESD Protection: 16kV
- Fireproofing Industrial ABS V-0

### > Warranty

- 2 Year

### > Certification

- CE, FCC, RoHS

### > Package content

- WIS-CM712AC Access Point
- PoE Injector
- Power Cord
- Ceiling Mounting kits
- Quick Setup Guide

