ECW5320

802.11ac Dual-Band Wireless Access Point

Product Overview

The ECW5320 is an indoor 802.11a/b/g/n/ac dual-band, dual-radio enterprise AP with a 2x2 MIMO antenna configuration.

ECW5320 is Gigabit Ethernet comes with 802.3af/at PoE function and can be powered by PoE switch remotely.

Key Features and Benefits

Wireless 802.11ac Technology

Using 802.11ac MIMO (Multiple Input Multiple Output)
wireless technology, the AP supports two transmitting
and two receiving antennas that extend range and increase the throughput by up to nine times that of existing Wi-Fi.

Narrow Channel Bandwidth Support

Except supporting standard 11ac channel bandwidth(20, 40 & 80MHz), ECW5320 can support 5 & 10MHz to provide more channel efficiency.

High power & High Gain

The ECW5320 supports 23~27dBm output power. Besides, it supports embedded Omni antenna x 4 inside(3dBi@2.4G & 4dBi@5G)

. Through high power and high gain antenna technology, it will be suitable for indoor application.

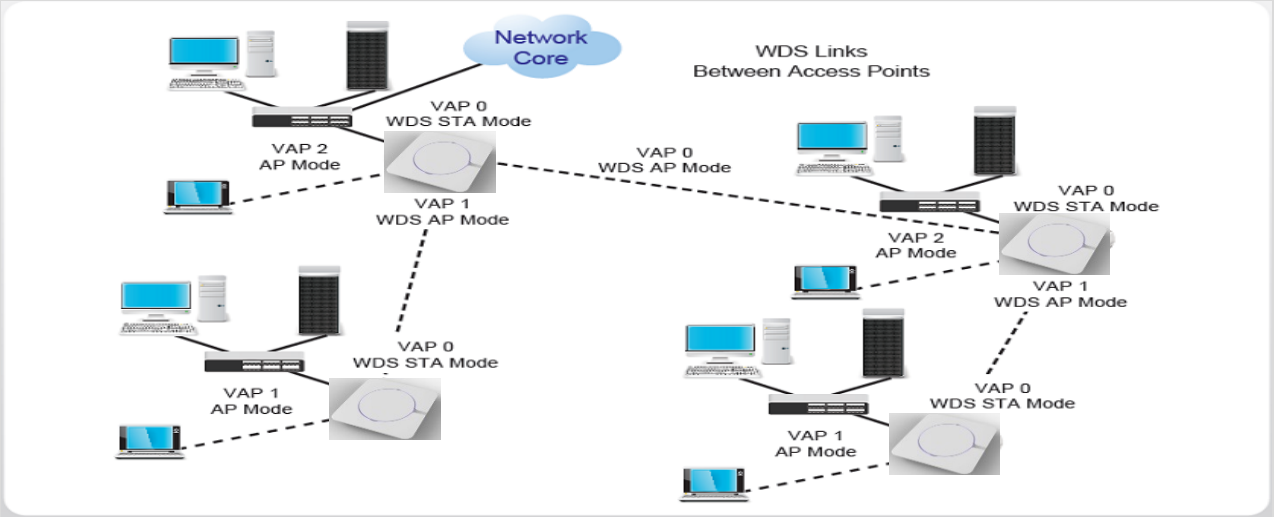
Wall mounting & Ceiling mount

The ECW5320 provides two mounting methods to fulfill different installation. It is unnecessary for users to get external mounting kit to apply.

Full Management Capabilities

The ECW5320 supports Simple Network Management Protocol (SNMP v1/v2c), including MIB II and MIB I.

The IEEE 802.1X authentication protocol supports Extensible Authentication Protocol: Transport Layer Security (TLS), Protected EAP (PEAP), Tunneled TLS (TTLS)



ECW5320 Product Specifications

www.edge-core.com

Features

Physical Features

- One 10/100/1000BASE-T Gigabit Ethernet (RJ-45) port with 802.3af/at compliant Power over Ethernet (PoE) support, WAN port
- Two 10/100BASE-T LAN ports
- One USB 2.0
- One Reset, one WPS
- Four LEDs: WAN, LAN1, LAN2, WPS
- Four embedded Omni antennas
- PoE 802.3af/at compliant

Standards

IEEE 802.11n 2.4 GHz and 5.0 GHz
IEEE 802.11a 5.0 GHz
IEEE 802.11b/g, 2.4 GHz
IEEE 802.3, IEEE 802.3u, IEEE 802.3ab
IEEE 802.3af/at Power over Ethernet (PoE)
IEEE 802.11h Regulatory Domain Selection
Wi-Fi Multimedia (WMM)
Wireless Distribution System (WDS)
Hotspot 2.0*(support in future)

Wireless Frequency

802.11g/n:
2.4 ~ 2.4835 GHz (US, Canada)
2.4 ~ 2.4835 GHz (ETSI, Japan)

802.11b:
2.4 ~ 2.4835 GHz (US, Canada)
2.4 ~ 2.4835 GHz (ETSI)
2.4 ~ 2.497 GHz (Japan)

802.11a/n/ac:
5.15 ~ 5.25 GHz (lower band) US/Canada, Europe, Japan
5.25 ~ 5.35 GHz (middle band) US/Canada, Europe, Japan
5.725 ~ 5.825 GHz (upper band) US/Canada
5.50 ~ 5.70 GHz Europe

Wireless Features

- WDS: Auto distance adjustment
- VAP (Virtual Access Point) support with up to 8 SSIDs(2.4GHz or 5.8GHz)
- Operation modes: AP Mode, Point-to-Point WDS, Point-to-Multiple points WDS, WDS With AP
- Transmit power adjustment
- Traffic Control for each SSID
- Band Preference for same SSID services on dual band
- Dynamic Channel Selection for noisy environment
- Rate Selection to disable low data rate access
- Auto-channel selection
- DFS support
- Output power: 23~27dBm

Security

- WEP 64/128-bits
- Wi-Fi Protected Access (WPA/WPA2)
- WPA/WPA2 (PSK) over WDS
- Secure SSH (Secure Sockets Shell), Telnet
- Secure Sockets Layer (SSL) remote management login
- HTTPS
- Access control list
- RADIUS authentication
- EAP-MD5, EAP-TLS, EAP-TTLS, PEAP

Network Management

- Telnet, SSH
- Web-based Management (HTTP and HTTPS)
- SNMP management v1/v2c
- Software download and upgrade by TFTP, FTP, or HTTP
- Configuration file backup and restore by TFTP or FTP
- System Information – AP status, station status, event logs
- Dual image
- Country selection for auto adjustment output power

Antenna

Type: PCB type
Gain: 3dBi@2.4G & 4dBi@5G

Regulatory Compliance

FCC Part 15 Subpart B
CE

Radio Signal Certification

FCC Part 15C 15.247, 15.207 (2.4GHz)
EN 300 328 EN 301 489-1 EN 301 489-17

Mechanical

Dimensions: 20 x 20 x 3.65 cm
Weight: 0.75 kg

Power

Input: 100 or 240 VAC, 50-60 Hz
Output: 48V/ 2A
Power Consumption: 24 W maximum

Environmental Specification

Temperature:
Standard Operating: 0°C to 40°C (32°F to 104°F)
Storage: -20°C to 70°C (-4°F to 158°F)
Humidity: 15% to 95% (non-condensing)

Warranty

Please check www.edge-core.com for the warranty terms in your country/region.

For More Information

To find out more about Edge-Core Networks products and solutions, visit www.edge-core.com

About Edge-Core Networks

Edge-Core Networks is in the business of providing innovative network solutions. In the service provider network, in the data center or in the cloud, Edge-Core Networks delivers the software and systems that transform the way the world connects. Edge-Core Networks serves customers and partners worldwide. Additional information can be found at www.edge-core.com.

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