

ECWO5320

802.11ac Outdoor Dual-Band Wireless Access Point



Product Overview

The ECWO5320 is outdoor 802.11a/b/g/n/ac dual-band, dual-radio AP with TDMA technology & 2x2 MIMO antenna configuration. Through its Gigabit Ethernet port, the 802.11ac dual-band wireless AP can connect to the backbone network. The ECWO5320 supports passive PoE, which provide cost effective and enable the AP to be powered by power adapter or injector.

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.

TDMA (Time Division Multiple Access) Technology

It is very useful for point to multi-point application. Getting more throughput & Improving the capability of anti-noisy environments and solving hidden nodes are benefit for users.

Narrow Channel Bandwidth Support

Except supporting standard 11ac channel bandwidth(20, 40 & 80MHz), ECW7310 can support 5 & 10MHz to provide more channel efficiency & fair spectrum utilization.

High power & High Gain

The ECWO5320 supports 27dBm output power. Besides, it supports embedded 5GHz 12dBi dual polarization directional antenna inside. Through high power and high gain antenna technology, it will be suitable for indoor application.

Advanced Traffic Management

Support for up to eight Virtual Access Point (VAP) interfaces per radio, which allows traffic to be separated for different user groups within the same service area.

Each radio can support up to 32 wireless clients, shared between all VAPs, whereby the clients associate with each VAP in the same way as they would with physically separate APs. This means that each VAP can be configured with its own Service Set Identification (SSID), security settings, VLAN assignments, and other parameters, allowing the AP to serve a diverse range of client needs from a single unit.

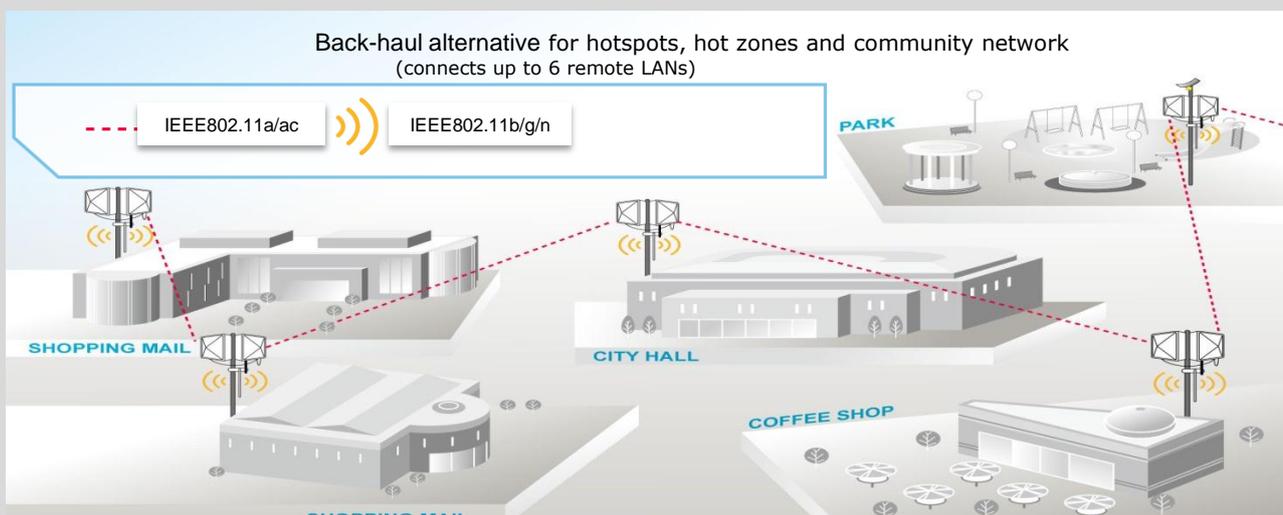
Full Management Capabilities

The ECWO5320 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)

Pole mount

The ECWO5320 provides stainless hose clamp for pole mount as default. Also, will provide optional pole mount kit for more severe environment requirement.



Features

Physical Features

- One 10/100/1000BASE-T Gigabit Ethernet (RJ-45) port with passive Power over Ethernet (PoE) support
- One 10/100BASE-T
- 8 LEDs: Power, WLAN, WAN, LAN, 4 Wireless Signal indicators
- One reset button
- 2 external RP-SMA antenna connectors

Standards

IEEE 802.11n 2.4 GHz and 5.0 GHz
 IEEE 802.11a 5.0 GHz
 IEEE 802.11ac 5.0 GHz
 IEEE 802.11b/g, 2.4 GHz
 IEEE 802.3, IEEE 802.3u, IEEE 802.3ab
 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

- TDMA support*(support in future)
- 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

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: 2 x Dual Polarization Patch antenna
 Gain: 12dBi@5GHz

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: 8.9 x 27.7 x 4.5cm
 Weight: 0.75 kg

Power

Power Consumption: 48 W maximum

Environmental Specification

Temperature:
 Standard Operating: -20°C to 65°C
 Storage: -30°C to +80°C
 Humidity: 15% to 95% (non-condensing)
 Water/Dust-proof: IP55
 Transportation environment: ETS 300 019-2-2 class 2.3
 Drop: IEC 68-2-32
 Lightning/Surge Protection: IEC-61000-4-5 class 4

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.