ECW7210-L

802.11ac Dual-Band Wireless Cloud-based Access Point

Product Overview

The ECW7210-L is Cloud-based indoor 802.11a/b/g/n/ac dual-band, dual-radio enterprise AP with a 3x3 MIMO antenna configuration.
Through its Gigabit Ethernet port the 802.11ac dual-band wireless AP can connect to the backbone network. The ECW7210-L supports 802.3at/af PoE, which enables the AP to be powered remotely by a PoE switch. An AC power adapter option is also included for locations where PoE is not available.

Key Features and Benefits

Cloud--Enabled Networking

ECW7210-L is cloud-enabled out of the box allowing for easy, highly scalable installation, configuration, and management.

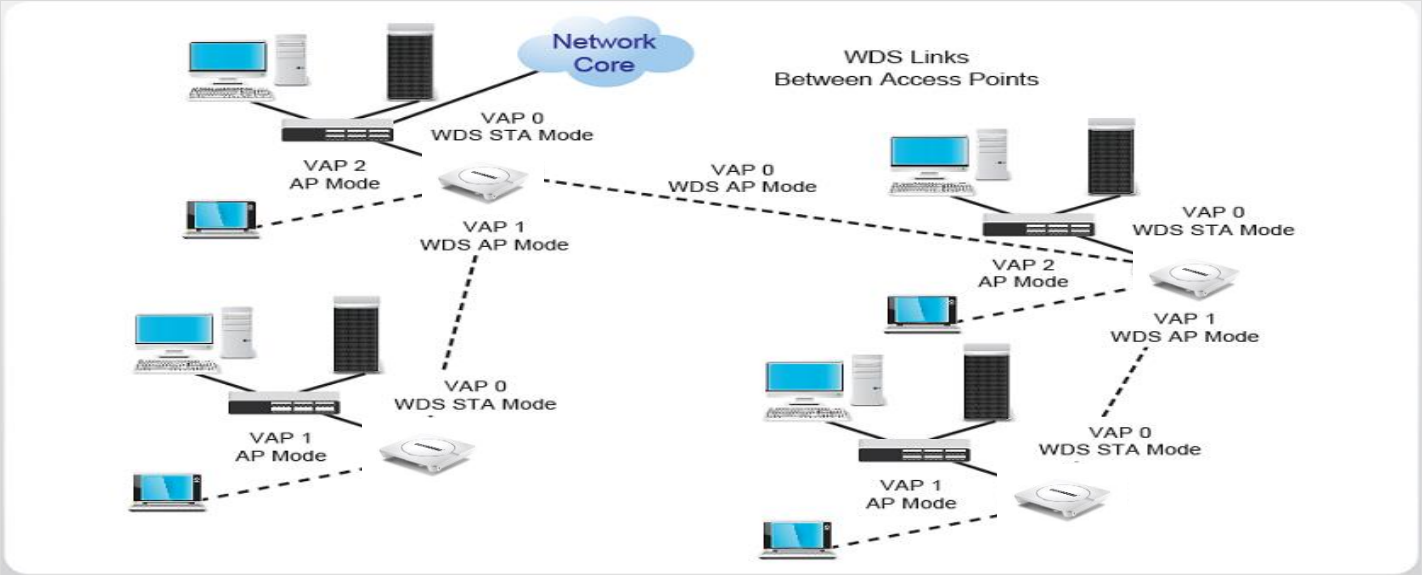
Robust & Simple Mounting Kit

ECW7210-L can be wall, ceiling, or desktop mounted, greatly simplifying installations in both offices and homes.

Dual Band AC1200 Operation

ECW7210-L is capable of operating simultaneously at 2.4GHz (802.11b/g/n) as well as 5GHz (802.11a/n/ac) to supply ample throughput for the most demanding application

Application Diagram



ECW7210-L Product Specifications

www.edge-core.com

Features

Physical Features

- One 10/100/1000BASE-T Gigabit Ethernet (RJ-45) port with 802.3at/af-compliant Power over Ethernet (PoE) support
- One 10/100/1000BASE-T Gigabit Ethernet (RJ-45)
- One console port(10/100/1000BASE-T) with an RJ-45 connector
- One USB 2.0
- Three LEDs: Power/Diag, LAN, WALN1&WLAN2
- Six embedded Omni antennas
- PoE 802.3at/af compliant

Standards

IEEE 802.11n 2.4 GHz and 5.0 GHz
IEEE 802.11ac/a 5.0 GHz
IEEE 802.11b/g, 2.4 GHz
IEEE 802.3, IEEE 802.3u, IEEE 802.3ab
IEEE 802.3af Power over Ethernet (PoE)
IEEE 802.11h Regulatory Domain Selection
IEEE 802.11i
Wi-Fi Multimedia (WMM)
Wireless Distribution System (WDS)

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
5.47 ~ 5.725GHz

Wireless Features

- Output power: 20dBm
- VAP (Virtual Access Point) support with up to 16 SSIDs(2.4GHz: 8, 5GHz: 8)
- Operation modes: AP Mode, Point-to-Point WDS, Point-to-Multiple points WDS, WDS With AP
- Transmit power adjustment
- IEEE 802.11h DFS/DFS2 and automatic TPC
- 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
- Band steering: Client connection preemption (ac> n > a> g > b) in case service capability is full
- Auto-channel selection
- Auto power adjustment between AP
- Support Multi-cast
- Throughout: Data Rate(1.3Gbps+450Mbps)
- Concurrent users: 200 clients

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, EAP-SIM, and EAP-AKA
- **SSID broadcast disable**
- **Support TPM(Trusted Platform Module)**

Network Management

- Industrial CLI (Command Line Interface)
- Telent, SSH
- Web-based Management (HTTP and HTTPS)
- SNMP management v1/v2c/v3
- 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
- SNTP
- Country selection
- Scheduling Rebooting
- Radius Accounting
- IPv4 and IPv6 dual stack support
- DSCP
- Link Integrity to disable WiFi service while uplink is not available
- Remote Management

Antenna

Type: PCB type
Gain: 4dBi in 2.4GHz, 5dBi in 5GHz

Regulatory Compliance

FCC Part 15 Subpart B
CE
NCC, BSMI

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: 14 W maximum

Environmental Specification

Temperature:
Standard Operating: 0˚C to 50˚C
Storage: -20˚C to 70˚C
Humidity: 10% to 90% (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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