

ECWO5211-L(ID)

OUTDOOR ACCESS POINT



INTRODUCTION

The ECWO5211-L is an enterprise-grade, concurrent dual-band 802.11ac Wave 2 outdoor access point, designed specifically to withstand harsh weather conditions with an IP68-rated, rust-resistant plastic housing for outdoor and industrial environments. The ECWO5211-L features two 2x2 MU-MIMO radios that can each transmit data to multiple clients simultaneously, and together have a combined data rate of up to 1.2 Gbps.

When used with an Edgecore Controller, additional value-added applications such as bandwidth control, user authentication, and captive portals can be used to provide an ideal solution for all types of businesses.

HIGHLIGHTS

WI-FI

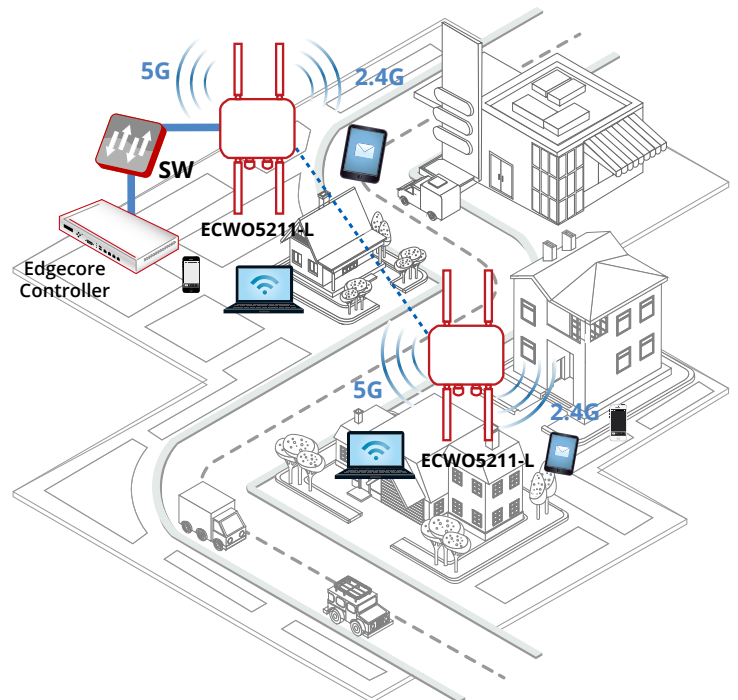
- Concurrent Dual-Band 2.4 & 5 GHz
- 802.11ac 2x2 MU-MIMO supporting up to 1.2 Gbps data rate
- Support up to 32 ESSIDs.
- Enterprise-Grade Wireless Security

PHYSICAL

- Wall, hose clamp, and uniaxial mountable
- IP68 weatherproof plastic housing
- Industrial Temperature Range
- 802.3at Power over Ethernet (PoE)

MANAGEMENT WITH CONTROLLER

- Captive Portal & Guest Provisioning
- Fast Layer 2/Layer 3 Roaming
- User-based Access Management
 - Bandwidth Control
 - Firewall Policies
 - Routing Policies



SPECIFICATIONS

PHYSICAL	
Power	<ul style="list-style-type: none"> • PoE: 802.3at compliant or 48V / 0.5A passive PoE injector (PoE injector optional)
Dimensions	<ul style="list-style-type: none"> • 25.0 cm (L) x 20.0 cm (W) x 8.0 cm (H)
Weight	<ul style="list-style-type: none"> • 1.53 kg (3.37 lbs) (Including antennas)
Interfaces	<ul style="list-style-type: none"> • LAN1: 1 x 10/100/1000Base-T Ethernet, Auto MDIX, RJ-45 with 802.3at PoE • LAN2: 1 x 10/100/1000Base-T Ethernet, Auto MDIX, RJ-45
LED Indicator	<ul style="list-style-type: none"> • Power / LAN1/ LAN2 / 2.4 GHz / 5 GHz
Environmental Conditions	<ul style="list-style-type: none"> • Operating Temperature: -40°C (-40°F) to 65°C (149°F) • Operating Humidity: 10% to 95% non-condensing • IP68 Rating
Power Consumption	<ul style="list-style-type: none"> • 20W max.
Antenna	<ul style="list-style-type: none"> • Type: 2 x External N-type Connectors (2 x 2.4 GHz, 2 x 5 GHz) • Gain: 5 dBi (2.4 GHz), 7 dBi (5 GHz)
Mounting	<ul style="list-style-type: none"> • Pole mount hose clamp

WI-FI	
Standards	<ul style="list-style-type: none"> • 802.11a/b/g/n/ac ; Wave 2 • Concurrent dual-band 2.4 & 5 GHz
Supported Data Rates	<ul style="list-style-type: none"> • 802.11b: 1, 2, 5.5, 11 Mbps • 802.11a/g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps • 802.11n: 6.5 – 144 Mbps (20 MHz) • 802.11ac: 6.5 – 173.4 Mbps (20 MHz)
Radio Chains	<ul style="list-style-type: none"> • 2 x 2
Spatial Streams	<ul style="list-style-type: none"> • 2; MU-MIMO support
RF Output Power*1	<ul style="list-style-type: none"> • 2.4 GHz: Up to 23 dBm*2 • 5 GHz: Up to 23 dBm*2
Channelization	<ul style="list-style-type: none"> • 20 MHz
Frequency Band	<ul style="list-style-type: none"> • 2400 – 2483.5 MHz • 5725 – 5825 MHz
Max Bandwidth	<ul style="list-style-type: none"> • ≤ 20 MHz
Operating Channels	<ul style="list-style-type: none"> • 2.4 GHz: 1 – 13 (Indonesia) • 5 GHz: 36 – 165 (Indonesia)
ESSIDs	<ul style="list-style-type: none"> • Up to 16 per radio (32 total)
Certifications	<ul style="list-style-type: none"> • FCC (United States), CE (Europe), NCC&BSMI (Taiwan)

PERFORMANCE	
Physical Data Rate	<ul style="list-style-type: none"> • Up to 300 Mbps (2.4 GHz) • Up to 867 Mbps (5 GHz)
Concurrent Users	<ul style="list-style-type: none"> • Up to 256 (128 on 2.4 GHz, 128 on 5 GHz)

*1: RF output power aggregates across MIMO chains and doesn't contain antenna gain

*2: Maximum power is limited by local regulatory requirements

QUALITY OF SERVICE

- Wireless QoS (802.11e/WMM)

- DSCP (802.1p)

- Airtime Fairness

- Band Steering

- Multicast to Unicast Conversion

- Optimal Client Filtering

MANAGEMENT

Deployment	<ul style="list-style-type: none"> ♦ Standalone ♦ Tunneled management by Controller ♦ IPv4 & IPv6 compatible ♦ LLDP
Configuration	<ul style="list-style-type: none"> ♦ Web User Interface (HTTP/HTTPS) ♦ SNMP v1, v2c, v3

SECURITY

- | | |
|-----------------------|--|
| Wireless Security | <ul style="list-style-type: none"> ♦ WEP ♦ WPA/WPA2 Mixed (TKIP/AES Mixed) ♦ WPA2-Personal (AES) ♦ WPA2-Enterprise (AES) |
| VLAN Tagging (802.1Q) | |
| Station Isolation | |
| DHCP Snooping | |
| Layer-2 Firewall | |

MOBILITY/ROAMING

- Layer 2/Layer 3 Fast Roaming

- Hotspot 2.0

RECEIVE SENSITIVITY

Operating Mode	Data Rate	Receive Sensitivity (dBm)
802.11b	1 Mbps	-96
	11 Mbps	-90
802.11a	6 Mbps	-92
	54 Mbps	-75
802.11g	6 Mbps	-93
	54 Mbps	-71
802.11n (HT20)	MCS0	-93
	MCS7	-71
	MCS8	-93
	MCS15	-71
802.11ac (VHT20)	MCS0	-92
	MCS8	-69