

ECWO5213-L(TH) OUTDOOR ACCESS POINT



INTRODUCTION

The ECWO5213-L is an enterprise-grade, concurrent dual-band 802.11ac wave 2 outdoor access point, designed specifically to withstand harsh weather conditions by IP68 rated, rust-resistant plastic housing in outdoor and industrial environments. The ECWO5213-L features two 2x2:2 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. ECWO5213-L's integration with Bluetooth Low Energy (BLE) also enables new value-added applications such as location tracking, iBeacon, and other location-based services. Besides, with a built-in GPS receiver, IT administrators can easily keep track of the location of all ECWO5213-L deployed, simplifying the maintenance task and adding a new potential of location related services.

When ECWO5213-L is deployed and centrally managed by 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

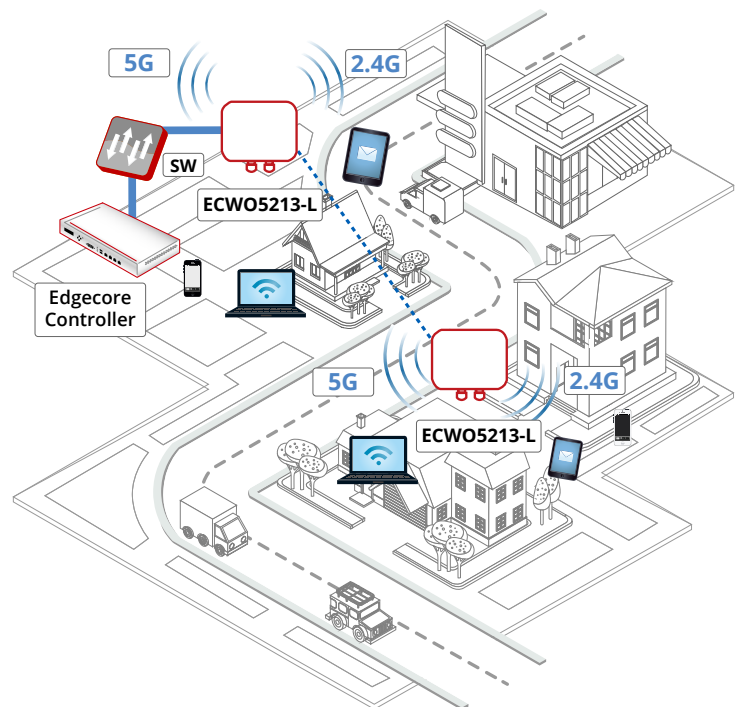
- Concurrent Dual-Band 2.4 & 5 GHz
- 802.11ac 2x2 MU-MIMO supporting up to 1.2 Gbps data rate
- Support up to 32 ESSIDs.
- Enterprise-Grade Wireless Security

PHYSICAL

- Wall, hose clamp, and uniaxial mountable
- IP68 weatherproof plastic housing
- Industrial Temperature Range
- 802.3at Power over Ethernet (PoE)
- Bluetooth Low Energy (BLE)
- Built-in Global Positioning System (GPS)

MANAGEMENT WITH CONTROLLER

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



SPECIFICATIONS

PHYSICAL	
Power	<ul style="list-style-type: none"> ♦ PoE: 802.3at compliant or 48V / 0.5A passive PoE injector
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"> ♦ 1.23 kg (2.71 lbs)
Interfaces	<ul style="list-style-type: none"> ♦ LAN: 1 x 10/100/1000Base-T Ethernet, Auto MDIX, RJ-45 with 802.3at PoE ♦ LAN: 2 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
Power Consumption	<ul style="list-style-type: none"> ♦ 20.0W max.
Internal Antenna	<ul style="list-style-type: none"> ♦ Horizontal: 38° (2.4 GHz), 30° (5 GHz) ♦ Gain: 12 dBi (2.4 GHz), 12 dBi (5 GHz)
Mounting	<ul style="list-style-type: none"> ♦ Pole mount hose clamp
Protective Vent Plug	

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 8 dBm*2 ♦ 5 GHz: Up to 11 dBm*2
Channelization	<ul style="list-style-type: none"> ♦ 20 MHz ♦ 40 MHz ♦ 80 MHz

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

*3: Some channels are restricted 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

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

SECURITY

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

 - Station Isolation

 - DHCP Snooping

 - Layer-2 Firewall

MOBILITY/ROAMING

- Layer 2/Layer 3 Fast Roaming