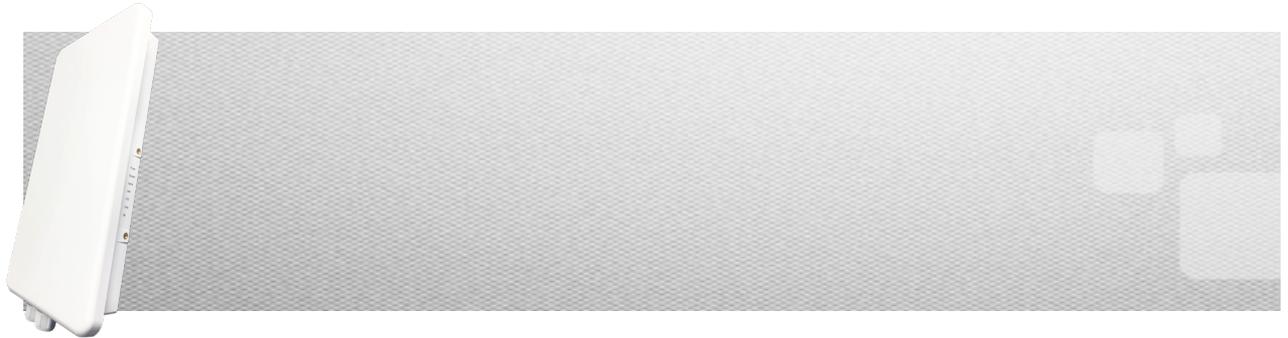


OAP103-BR

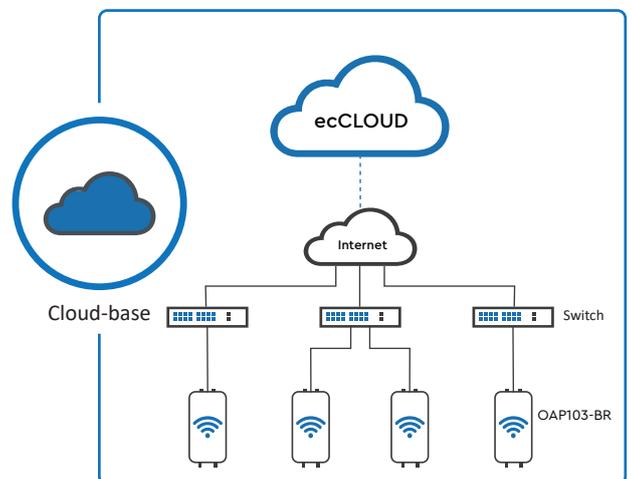
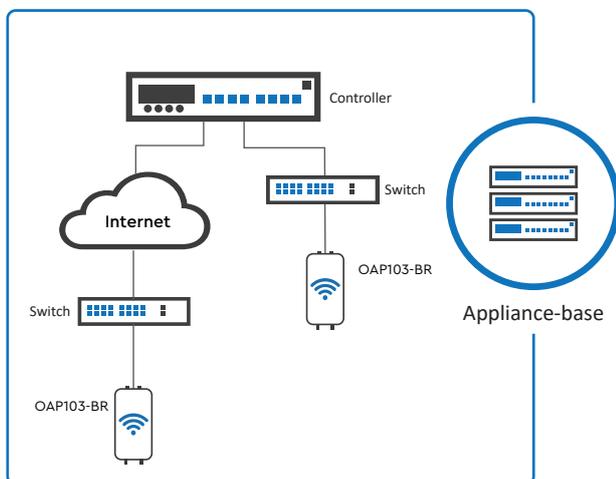
OUTDOOR WI-FI 6 ACCESS POINT



INTRODUCTION

OAP103-BR is an enterprise-grade, concurrent dual-band Wi-Fi 6 outdoor access point. OAP103-BR supports 5G 4 x 4 : 4 uplink and downlink MU-MIMO between the AP and multiple clients, with up to 2.9 Gbps aggregated data rate.

OAP103-BR can be operated as standalone mode or managed by Edgecore ecCLOUD and EWS-Series controller.



HIGHLIGHTS

- Concurrent Dual-Band 2.4GHz & 5GHz
- 802.11ax 4x4:4 UL MU-MIMO supporting up to 2.9 Gbps data rate
- Support up to 32 ESSIDs.
- Enterprise-Grade Wireless Security
- 802.3at Power over Ethernet (PoE)

SPECIFICATIONS

PHYSICAL	
Power	<ul style="list-style-type: none"> • PoE: 802.3at compliant
Dimensions	<ul style="list-style-type: none"> • 45.0 cm (L) x 23.0 cm (W) x 7 cm (H)
Weight	<ul style="list-style-type: none"> • 2.10 kg (4.63 lbs)
Interfaces	<ul style="list-style-type: none"> • Uplink: 1 x 10/100/1000/2.5GBase-T Ethernet, Auto MDIX, RJ-45 with 802.3at PoE • LAN: 1 x 10/100/1000/2.5GBase-T Ethernet, Auto MDIX, RJ-45
LED Indicator	<ul style="list-style-type: none"> • Power / System / Uplink / LAN / 2.4G / 5G
Environmental Conditions	<ul style="list-style-type: none"> • Operating Temperature: -20°C (-4°F) to 50°C (122°F) • Humidity: 10% to 95% non-condensing • IP68 Rating
Power Consumption	<ul style="list-style-type: none"> • 25W max^{*2}
Antenna	<ul style="list-style-type: none"> • Type: Omni directional antenna (2.4 GHz & 5 GHz) • Gain: 5 dBi (2.4 GHz), 6 dBi (5 GHz)
Mounting	<ul style="list-style-type: none"> • Pole mount hose clamp, wall, ceiling
Protective Vent	
WI-FI	
Standards	<ul style="list-style-type: none"> • 802.11a/b/g/n/ac/ax • Concurrent dual-band 2.4 GHz & 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 –300 Mbps (20 / 40 MHz) • 802.11ac: 6.5 –1733 Mbps (20 / 40 / 80 MHz) • 802.11ax: 3.6 –574 Mbps (2.4 GHz, 20 / 40 MHz) • 802.11ax: 3.6 –2400 Mbps (5 GHz, 20 / 40 / 80 MHz)
Radio Chains	<ul style="list-style-type: none"> • 2.4 GHz: 2 x 2 • 5 GHz: 4 x 4
Spatial Streams	<ul style="list-style-type: none"> • 2.4 GHz: 2; MU-MIMO support • 5 GHz: 4; MU-MIMO support
Aggregate Conducted Transmit Power ^{*3}	<ul style="list-style-type: none"> • 2.4 GHz: Up to 23dBm^{*4} • 5 GHz: Up to 26dBm^{*4}
Channelization	<ul style="list-style-type: none"> • 2.4 GHz: 20 / 40 MHz • 5 GHz: 20 / 40 / 80MHz
Frequency Range	<ul style="list-style-type: none"> • 2.400 –2.483 GHz • 5.150 –5.850 GHz
Operating Channels	<ul style="list-style-type: none"> • 2.4 GHz: 1 –11 (US), 1 –13 (Europe) • 5 GHz^{*5}: 36 –165 (US), 36 –140 (Europe)
ESSIDs	<ul style="list-style-type: none"> • Up to 16 per radio (32 total)
Certifications	<ul style="list-style-type: none"> • ANATEL, WIFI Alliance (Sub-category: Enterprise/Service Provider Access Point, Switch/Controller or Router)
PERFORMANCE	
Physical Data Rate	<ul style="list-style-type: none"> • Up to 574 Mbps (2.4 GHz) • Up to 2,400 Mbps (5 GHz)
Supported Clients	<ul style="list-style-type: none"> • 512 clients

*1: One USB port work at a time

*2: 22W when powered by DC

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

*4: Maximum power is limited by local regulatory requirements

*5: Some channels are restricted by local regulatory requirements and certifications

FEATURES

Wireless	<ul style="list-style-type: none"> ✦ 802.11 k/r ✦ Orthogonal Frequency Division Multiple Access (OFDMA) ✦ Client Isolation ✦ OpenMesh ✦ Auto Channel Selection ✦ Support up to 1024 QAM Modulation
Network	<ul style="list-style-type: none"> ✦ Spanning Tree Protocol (STP) ✦ Dynamic Host Configuration Protocol (DHCP) ✦ 802.1q ✦ Access Control List (ACL) ✦ Network Address Translation (NAT) ✦ Dynamic VLAN ✦ Link Layer Discovery Protocol (LLDP)
Security	<ul style="list-style-type: none"> ✦ WPA-Personal (AES) ✦ WPA-Enterprise (AES) ✦ WPA2-Personal (AES) ✦ WPA2-Enterprise (AES) ✦ WPA3-Personal (AES) ✦ WPA3-Personal Transition (AES) ✦ WPA3-Enterprise (AES) ✦ WPA3-Enterprise transition (AES) ✦ MAC Address Authentication ✦ 802.1X ✦ Support MPSK
Maintenance	<ul style="list-style-type: none"> ✦ Network Time Protocol (NTP) ✦ Standalone ✦ Management by ecCLOUD ✦ Management by EWS-Series Controller (Complete tunnel) ✦ SSH ✦ QR Code Onboarding ✦ SNMP v2c ✦ Remote Syslog
QoS	<ul style="list-style-type: none"> ✦ RSSI Threshold (Optimal Client Filtering)
Others	<ul style="list-style-type: none"> ✦ 16 VLANs ✦ Static IP addressing ✦ DHCP client for automatic network configuration ✦ Bluetooth Low-Energy (BLE) ✦ SSID propagation ✦ Dynamic Power Level Adjustment ✦ Operation in Mesh mode ✦ Target Wake Time (TWT) ✦ BSS Coloring