



Dual-band Mesh WiFi 6 Extender

OS2210



Supercharge your subscriber's Wi-Fi, eliminate dead zones and Wi-Fi-related support calls with the OS2210 Mesh Wi-Fi 6 Extender. This future-ready device delivers the Wi-Fi coverage, capacity, and speed that your customers crave. With the power of Wi-Fi 6 and Gigabit Ethernet ports, you can be confident that users will enjoy whole-home Wi-Fi for brilliant video streaming, fast online gaming, and trouble-free video conferencing anywhere in the house or yard. And with support for the Plume app, it's easy to set up and manage Wi-Fi for everyone at home. Your subscribers will enjoy a consistently strong signal, along with more than enough capacity for every device – even when everyone in the house is online at the same time.

Exceptional Speed, Coverage and Capacity with Wi-Fi 6

Wi-Fi 6 isn't just better Wi-Fi. It revolutionizes Wi-Fi. It delivers up to 2x more device capacity to eliminate any congestion and future-proof the home network to handle more and more devices. And that's not all. Wi-Fi 6 uses a 2x longer OFDM symbol to create more than 2x more subcarriers for increased coverage and speeds. Your customers will experience Wi-Fi like never before.

Certified with Plume

The OS2210 will work with Plume, so subscribers can easily install the access point themselves and manage their Wi-Fi network. Simply connect the OS2210 to an Ethernet port on the modem and use the Plume app to establish a link. The OS2210 will synchronize all Wi-Fi parameters. Wi-Fi security is pre-configured and pre-enabled for rapid setup.

Key Features

- Simultaneous Dual-band Wi-Fi 6
 - 2x2 5GHz 802.11ax
 - 2x2 2.4GHz 802.11ax
- MU-MIMO capable for simultaneous data streaming
- Implicit & Explicit Beamforming for 2.4GHz & 5GHz
- Two 1 GigE Ports
- Supports Plume (OpenSync Certified)
- Bluetooth Onboarding



Interfaces

- 2x RJ-45 10/100/1000BASE-T Ethernet Ports

Wi-Fi

Wi-Fi Characteristics

- 802.11a/b/g/n/ac/ax
- 2T2R 5GHz 11ax and 2T2R 2.4GHz 11ax Concurrent MU-MIMO with 1.2Gbps PHY Rate + 574Mbps PHY Rate
- 20/40/80MHz Channel Bandwidth
- High Power Design for Multi-radio Co-location
- Supports Standard 5GHz UNII Bands
- Bluetooth v4.2

Wi-Fi Features

- Up to 8 SSIDs per Radio
- Prioritized QoS: WMM/WMM-PS
- Transmit Power Control by Service Provider
- WPS (Wi-Fi Protected Setup) PBC, PIN
- Airtime Fairness (ATF)
- Band Steering (BS)
- Dynamic Frequency Selection (DFS)
- Wi-Fi Output Power Range: Max permitted by FCC/IC
- Roaming: 802.11r/k/v

Wi-Fi Security

- WPA-PSK
- WPA2-PSK (TKIP/AES)
- WPA3-SAE

Routing Support

- Protocol Support: IGMP v3 for IPTV service capability
- MAC Address Filtering (IPv4/IPv6)
- IP Source/Destination Address Filtering (IPv4/IPv6)
- DHCP, TFTP and ToD clients (IPv4/IPv6)
- DHCP Server supports RFC 1541 (IPv4)
- DHCPv6 obtains Prefix from DHCPv6 Server through Prefix Delegation
- Firewall with Stateful Inspection (IPv4/IPv6)
- Hacker Intrusion Prevention and Detection
- Application Content Filtering (IPv4/IPv6)
- Complete NAT Software Implemented as per RFC 1631 with Port and Address Mapping (IPv4)
- DSLite Support for IPv4 In-home Support with IPv6 MSO Backbone
- 6RD Support for Quick IPv6 Deployment over IPv4 Backbone
- RIPv2 for Static IP Support

Management

- Onboarding via Bluetooth and Plume app
- Plume App Configuration, Control and Management
- Certified for Plume Cognitive
- OpenSync 2.0

Mechanical

- LEDs: One Multi-colored Status LED
- Factory Default Reset Button
- Dimensions: 80mm (H) x 140mm (W) x 128mm (D)
Net Weight: 370g +/- 10g

Electrical

- Input Power: 12VDC, 1.5A
- Power Adaptor: 110-220VAC, 50/60Hz
- Power Consumption: 4.04W (power saving), 7.46W (typ.), 13.11W (Max)
- Surge Protection
 - Ethernet RJ-45 sustains at least 4KV

Environmental

- Operating Temperature: 0°C (32°F) ~ 40°C (104°F)
- Operating Humidity: 10% ~ 90% (Non-condensing)
- Storage Temperature: -30°C (-22°F) ~ 70°C (158°F)

Regulatory Compliance

- RoHS
- FCC Part 15 Class B Subpart B
- ICES-003 Issue 6, Class B
- UL 62368-1
- cUL 62368-1-14
- Wi-Fi Alliance WiFi 6

