



# Wi-Fi 6 Extender

## with Dual-band Mesh



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.

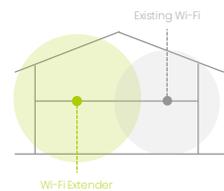
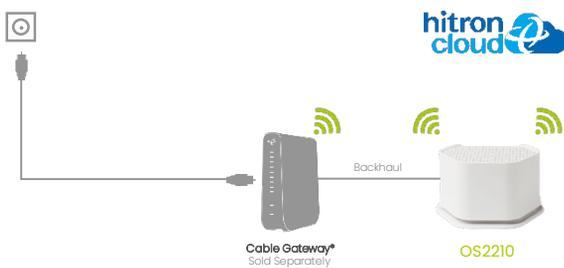
 Powered up with Wi-Fi 6 speeds up to 9.6Gbps	 Mesh Wi-Fi for Uninterrupted Coverage	 Two Gigabit Ethernet Ports
 Supports Plume (OpenSync Certified)		

Advanced feature

### Key Features

- Simultaneous Dual-band Wi-Fi 6 :
  - 2x2 5GHz 802.11az
  - 2x2 2.4GHz 802.11ax
- MU-MIMO capable for simultaneous data streaming
- Implicit & Explicit Beamforming for 2.4GHz & 5GHz
- Two 1 GigE Ports
- Bluetooth Onboarding
- Compliant with Plume OpenSync 2.0

### Application



# Specifications

OS2210

## Wi-Fi

### Wi-Fi Characteristics

- 802.11a/b/g/n/ac/ax
- 2T2R 5GHz 11ax and 2T2R 2.4GHz 11ax Concurrent MU-MIMO with 12Gbps 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)
- DS Lite 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

### Interfaces

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

### Mechanical

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

### 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)

## Electrical

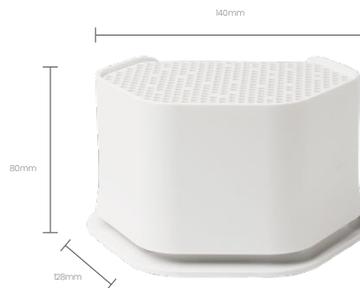
- Input Power: 12VDC, 1.5A
- Power Adaptor: 110-220VAC, 50/60Hz
- Power Consumption: 4.04W (power saving), 7.46W (typ.), 13.11W (Max)
- Surge Protection - Ethernet RJ-45 sustains at least 4KV

## 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 WiFi6



I.T.V F219020



Specifications subject to change without further notice. Product photo may differ.  
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