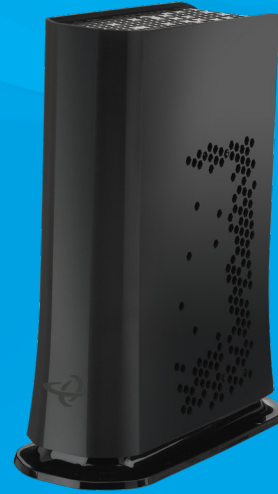# hitron

Tri-band Mesh Wi-Fi 6E Access Point

OS3411

Supercharge your subscriber's Wi-Fi, eliminate dead zones and WiFi-related support calls with the OS3411 Mesh Wi-Fi Access Point. It is the perfect way to give subscribers the Wi-Fi coverage, capacity and speed they need to use any device anywhere in the house or yard. Simply connect the router to a cable modem or ONU and the OS3411 can setup and manage the Wi-Fi throughout your subscriber's home with the Plume app. Subscribers will enjoy superior coverage, along with more than enough capacity for all their devices – even when everyone in the house is online at the same time.

Faster Wi-Fi with Tri-Band

This OS3411 is equipped with a third band in the 6GHz frequency which can be used for Wi-Fi backhaul. Utilizing seven (7) continuous 160MHz channels, the OS3411 can support multiple clear channels, free from neighborhood Wi-Fi interference. It uses the 2.4GHz and 5GHz bands for common IoT and mobile device support.

Use with the Plume App

The OS3411 will work with Plume, so subscribers can easily install the access point themselves and manage their Wi-Fi network. Simply connect the OS3411 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 Tri-band Wi-Fi 6E
  - 4x4 6GHz 802.11ax
  - 2x2 5GHz 802.11ax
  - 2x2 2.4GHz 802.11ax

- MU-MIMO capable for simultaneous data streaming

- Implicit & Explicit Beamforming for 2.4GHz, 5GHz, and 6GHz

- One 2.5 GigE and two 1 GigE Ports

- Supports Plume (OpenSync 3.2 Compliant)

- Bluetooth Onboarding

Interfaces
- 2x RJ-45 10/100/1000BASE-T Ethernet Ports
- 1x RJ-45 1/2.5GBASE-T Ethernet Port

Wi-Fi
Wi-Fi Characteristics
- 802.11a/b/g/n/ac/ax
- 4T4R 6GHz 11ax + 2T2R 5GHz 11ax + 2T2R 2.4GHz 11ax Concurrent MU-MIMO with 4.8Gbps + 1.2Gbps PHY Rate + 574Mbps PHY Rate
- 20/40/80/160MHz Channel Bandwidth (160Mhz only supported in 6GHz)
- High Power Design for Multi-radio Co-location
- Supports Standard 5GHz and 6GHz 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
- Cognitive Compliant
- OpenSync 3.2

Mechanical
- LEDs: One Multi-colored LED
- Factory Default Reset Button
- Dimensions: 195mm (H) x 70mm (W) x 157.5mm (D)
- Net Weight: 500g

Electrical
- Input Power: 12VDC, 2.5A
- Power Adaptor: 110-220VAC, 50/60Hz
- Power Consumption: 25W (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 BICES-003 Issue 6, Class B
- UL 62368-1
- cUL 62368-1-14
- Wi-Fi Alliance WiFi6e
- OpenSync 3.2