



Tri-band Mesh Wi-Fi 6E Extender/Router

ARIA3411



Supercharge your subscriber's Wi-Fi, eliminate dead zones and WiFi-related support calls with the ARIA3411 Mesh Wi-Fi Extender. 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 ARIA3411 can setup and manage the Wi-Fi throughout your subscriber's home with the MyHitron+ 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 ARIA3411 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 ARIA3411 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 MyHitron+ App

The ARIA3411 will work with MyHitron+, so subscribers can easily install the access point themselves and manage their Wi-Fi network. Simply connect ARIA3411 to an Ethernet port on the modem. Use the app to setup the device. It 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
- Seven (7) High Performance, Internal Antennas with High-Power Amplifiers
- One 2.5 GigE and two 1 GigE Ports
- Supports MyHitron+ and HitronCloud
- 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 4 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
- Device Filtering
- DMZ Hosting
- UPnP
- 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)
- 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

Management

- Onboarding via Bluetooth and MyHitron+ app
- MyHitron+ App Configuration, Control and Management
- HitronCloud Backend Support

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 15:2019, Subpart B, Class B
- FCC Part 15, Subpart C (Section 15.247)
- FCC Part 15, Subpart E (Section 15.407)
- FCC Part 2 (Section 2.1091) IEEE C95.3 -2002
- ANSI C63.4:2014
- ANSI C63.10:2013
- UL 62368-1, 2nd Ed, 2014-12-01
- CAN/CSA C22.2 No. 62368-1-14, 2nd Ed, Issued: 2014-12-01

