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

ARIA3411

Supercharge your subscriber's Wi-Fi, eliminate dead zones and WiFi-related support calls with the ARIA3411 Mesh Wi-Fi Router/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 ARIA3411 to a cable modem or ONU and this WiFi router can setup and manage the Wi-Fi throughout your subscriber's home with the MyHitron+ app or other TR-369 Managed WiFi Service. 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.

Tri-Band WiFi with 6GHz Band

This ARIA3411 is equipped with a third band in the 6GHz frequency which can be used for WiFi backhaul. Utilizing seven (7) continuous 160MHz channels, the ARIA3411 can support multiple clear channels, free from neighborhood WiFi interference. It uses the 2.4GHz and 5GHz bands for common IoT and mobile device support.

Future-Ready TR-369 Protocol

The ARIA3411 features the latest platform-agnostic TR-369 standard protocol and supports related protocols, including TR-069, 181, 143 and 111, to give the flexibility and security you need to remotely manage your CPE devices without being tied to one solution. This powerful WiFi 6 Mesh Router/Extender ensures the technology decisions you make today will work with the future technology of tomorrow.

Key Features

- Simultaneous Tri-band Wi-Fi 6E
  - 4x4 6GHz 802.11ax
  - 2x2 5GHz 802.11ax
  - 2x2 2.4GHz 802.11ax

- Seven (7) High Performance, Internal Antennas with High-Power Amplifiers

- Deployable as WiFi Gateway or Satellite

- Seamless roaming using 802.11k, r, v

- Client steering & channel optimization

- MU-MIMO capable for simultaneous data streaming

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

- Supports Assia CloudCheck agent (optional)

- One 2.5 GigE and two 1 GigE Ports

- Supports MyHitron+, HitronCloud and OptiMy

- 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
- EasyMesh R1/R2

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)
- IP over Ethernet (IPoE)
- DHCP, TFTP and ToD clients (IPv4/IPv6)
- DHCP Server supports RFC 1541 (IPv4)
- DHCPv6 obtains Prefix from DHCPv6 Server through Prefix Delegation
- DNS Proxy
- Port Forwarding and DMZ
- UPnP
- 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 MyHitron+ app
- MyHitron+ App Configuration, Control and Management
- HitronCloud and OptiMy Backend Support and Optimization
- TR-069, TR-111, TR-143, TR-181, TR-369

Network Security
- 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)
- Port Blocking
- Keyword Filtering
- Device Filtering
- Instant Device Pause

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