



Dual-band Mesh WiFi 6 Router

ARIA2513



Supercharge your subscriber's Wi-Fi, eliminate dead zones and Wi-Fi-related support calls with the ARIA2513 Mesh Wi-Fi 6 Access Point. This future-ready device delivers the Wi-Fi coverage, capacity, and speed that your customers crave. With the power of Wi-Fi 6 and multiple 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 MyHitron+ 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 sub carriers for increased coverage and speeds. Your customers will experience Wi-Fi like never before.

Future-Ready TR-369 Protocol

The ARIA2513 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 ensures the technology decisions you make today will work with the future technology of tomorrow.

Key Features

- Simultaneous Dual-band Wi-Fi 6
 - 4x4 5GHz 802.11ax
 - 4x4 2.4GHz 802.11ax
- 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
- Supports Assia CloudCheck agent (optional)
- Two 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
- 2x RJ-45 2.5GBASE-T Ethernet Ports

Wi-Fi

Wi-Fi Characteristics

- 802.11a/b/g/n/ac/ax
- 4T4R 5GHz 11ax and 4T4R 2.4GHz 11ax Concurrent MU-MIMO with 2.4Gbps PHY Rate + 1.1Gbps PHY Rate
- 20/40/80MHz Channel Bandwidth
- High Power Design for Multi-radio Co-location
- Supports Standard 5GHz UNII Bands
- Bluetooth v5.0

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
- 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 Status LED
- Factory Default Reset Button
- Dimensions: 74.3mm (H) x 251.5mm (W) x 230.8mm (D)

Electrical

- Input Power: 12VDC, 3.0A
- Power Adapter: 110-220VAC, 50/60Hz
- 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: -40°C (-40°F) ~ 60°C (140°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

