



Wi-Fi 6 R2 Extender

with Dual-band Mesh



ARIA2310

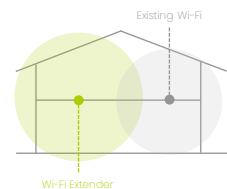
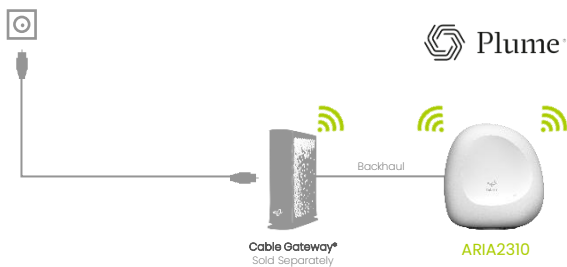
Supercharge your subscriber's Wi-Fi, eliminate dead zones and Wi-Fi-related support calls with the ARIA2310 Mesh Wi-Fi 6 R2 Extender. This future-ready device delivers the Wi-Fi coverage, capacity, and speed that your customers crave. With the power of Wi-Fi 6 R2 and 2.5 GigE port, you can be confident 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 R2 speeds up to 9.6Gbps	 Mesh Wi-Fi for Uninterrupted Coverage	 Ultra-fast 2.5 GigE Port
---	---	------------------------------

Key Features

- Simultaneous Dual-band Wi-Fi 6 R2: 4x4 5Ghz 802.11ax and 2x2 2.4 GHz 802.11ax
- MU-MIMO capable for simultaneous data streaming
- Implicit & Explicit Beamforming for 2.4GHz & 5GHz
- 1x 2.5 GigE + 1x GigE Ports

Application



Specifications

ARIA2310

Wi-Fi

Wi-Fi Characteristics

- 802.11a/b/g/n/ac/ax
- 4T4R 5GHz 11ax and 2T2R 2.4GHz 11ax Concurrent MU-MIMO with 4.8Gbps PHY Rate + 574Mbps PHY Rate
- 20/40/80/160MHz Channel Bandwidth
- High Power Design for Multi-radio Co-location
- Output power(EIRP):
 - 2.4G : 20dBm
 - 5G 5170 ~ 5320Mhz : 23dBm
 - 5G 5500 ~ 5700Mhz : 30dBm

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 CE
- 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 ToDclients (IPv4/IPv6)
- DHCP Server supports RFC 1541 (IPv4)
- DHCPv6 obtains Prefix from DHCPv6 Serverthrough
- Prefix Delegation
- Firewall with Statefullinspection (IPv4/IPv6)
- Hacker Intrusion Prevention and Detection
- Application Content Filtering (IPv4/IPv6)
- Complete NAT Software Implemented as perRFC 1631 with Port and Address Mapping (IPv4)
- DSLiteSupport for IPv4 In-home Support with IPv6 MSOBackbone
- 6RD Support for Quick IPv6 Deployment over IPv4 Backbone
- RIPv2 for Static IP Support

Management

- Onboarding via Bluetooth
- Web-based GUI Control, Configuration and Management

Interfaces

- 1x RJ-45 10/100/1000BASE-T Ethernet Port
- 1x RJ-45 10/100/1000/2500 Base-T Ethernet Port

Mechanical

- LEDs: One Multi-colored Status LED
- Factory Default Reset Button
- WPS Button
- Dimensions: 167mm (H) x 159mm (W) x 78mm (D)
- Net Weight: 370g +/- 10g

Environmental

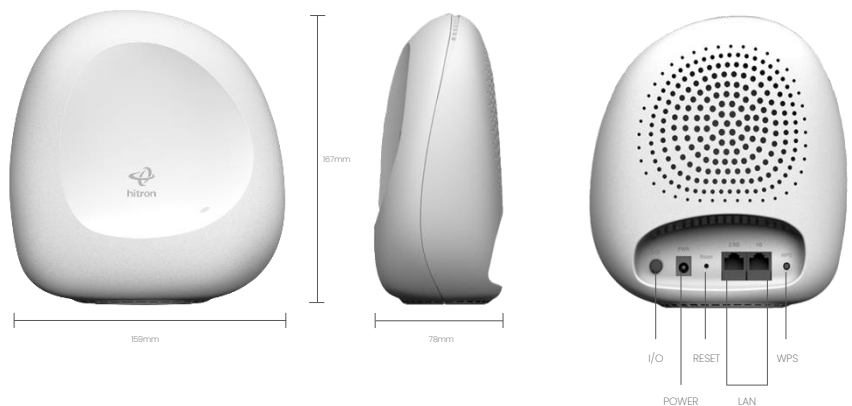
- Operating Temperature: 0°C (32°F) ~ 40°C (104°F)
- Operating Humidity: 10% ~ 90% (Non-condensing)
- Storage Temperature: -30°C (-22°F) ~ 70°C (158°F)

Electrical

- Input Power: 12VDC, 2A
- Power Adaptor: 110-220VAC, 50/60Hz
- Power Consumption: 6.4W (power saving), 12W (typ.), 19.3W (Max)
- Surge Protection-Ethernet RJ-45 sustains at least 4KV

Regulatory Compliance

- RoHS
- Wi-Fi Alliance WiFi6 R2
- CE



Specifications subject to change without further notice. Product photo may differ.
Trademarks owned by Hitron Technologies Inc. © 2022 Hitron Technologies Inc. All rights reserved