



Wi-Fi 6 Extender

with Dual-band Mesh

ARIA2110



The ARIA2110 integrates Wi-Fi 6 (802.11ax) 2.4GHz + 5GHz dual band concurrent MU-MIMO access point and 4 Gigabit Ethernet ports. With the power of Wi-Fi 6 and 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.

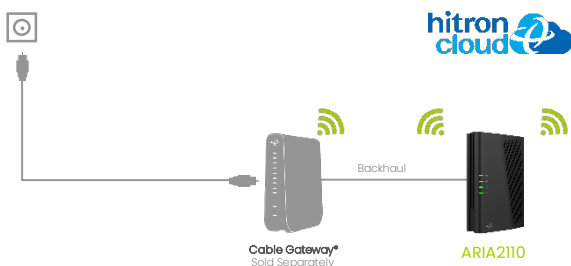
The ARIA2110 supports Ethernet or Wi-Fi as backhaul to extend Wi-Fi coverage. It delivers a mesh network with seamless roaming from AP to AP and network optimization.

 High-performance Wi-Fi networking	 Mesh Wi-Fi for Uninterrupted Coverage	 GigE Ethernet Port
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Key Features

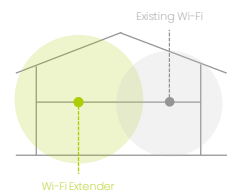
- Simultaneous Dual-band Wi-Fi 6: 2x2 5GHz 802.11ax – 2x2 2.4GHz 802.11ax
- MU-MIMO capable for simultaneous data streaming
- Implicit & Explicit Beamforming for 2.4GHz & 5GHz
- 3 Gig Ethernet LAN Ports + 1 Gig Ethernet WAN Port
- Internal antennas
- Hitron Mesh Wi-Fi solution (Hitron Cloud)

Application



Support all Wi-Fi devices

The icons represent various devices supported by the extender: a gaming console, a streamer TV, a PC, mobile devices (phone and tablet), a Network Attached Storage (NAS) unit, and an IoT device (house with antenna).



Specifications

ARIA2110

Wi-Fi

Wi-Fi Characteristics

- 802.11a/b/g/n/ac/ax
- 2T2R 802.11ax 5GHz + 2T2R 802.11ax 2.4GHz dual band concurrent MU-MIMO with 120Mbps + 574Mbps PHY data rate
- High Power Design for Multi-radio Co-location
- Channel bandwidth: 20/40/80MHz
- Frequency range: 2.412-2.462GHz and 5.18-5.825GHz
- Wi-Fi output power range (FCC) :
 - 2.4GHz: 30dBm
 - 5GHz Band 1/4: 30dBm
 - 5GHz Band 2/3: 23dBm

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)
- DHCP server supports RFC 1541 (IPv4)
- DHCPv6 obtains prefix from DHCPv6 server through prefix delegation
- 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

- HitronCloud cloud-based home network management support

Interfaces

- 3 x RJ-45 Ethernet LAN Port 10/100/1000Mbps
- 1 x RJ-45 Ethernet WAN Port 10/100/1000Mbps

Mechanical

- LEDs: Internet, Mesh, Wireless Status Factory Reset Button
- Wi-Fi ON/OFF
- WPS Button
- Power On/Off
- Factory Default Reset Button
- Dimensions: 196mm (H) x 131mm (W) x 58mm (D)

Environmental

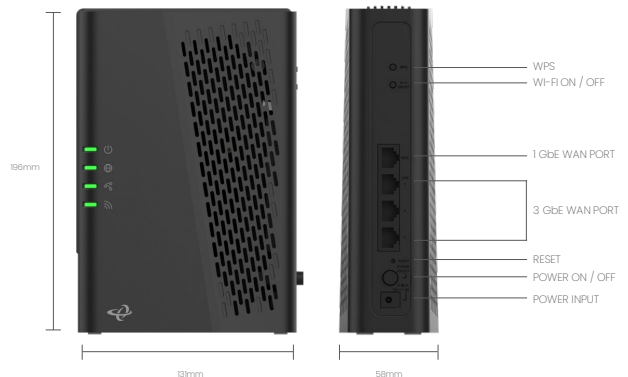
- Operating Temperature: 0°C (32°F) ~ 40°C (104°F)
- Operating Humidity: 10% ~ 90% (Non-condensing)
- Storage Temperature: -30°C (-22°F) ~ 70°C (158°F)

Electrical

- Power input: 110-220VAC, 50-60Hz 15A
- Power consumption: 14.5W (Maximum)
- Surge protection: Ethernet RJ-45 sustains at least 1KV

Regulatory Compliance

- FCC
- Wi-Fi Alliance WiFi6
- RoHS Compliant



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