hitron

Dual-band Mesh WiFi 6 Extender

ARIA2210

Supercharge your subscriber's Wi-Fi, eliminate dead zones and Wi-Fi-related support calls with the ARIA2210 Mesh Wi-Fi 6 Extender. This future-ready device delivers the Wi-Fi coverage, capacity, and speed that your customers crave. 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 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.

Use with MyHitron App

The ARIA2210 will work with MyHitron, so subscribers can easily install the access point themselves and manage their Wi-Fi network. Simply connect ARIA2210 to an Ethernet port on the modem and it automatically establishes a link and synchronizes all Wi-Fi parameters. And Wi-Fi security is pre-configured and pre-enabled for rapid setup.

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

- Two 1 GigE Ports

- Supports MyHitron, HitronCloud and OptiMy

- Bluetooth Onboarding

Interfaces

· 2x RJ-45 10/100/1000BASE-T Ethernet Ports

Wi-Fi

Wi-Fi Characteristics

· 802.11a/b/g/n/ac/ax
· 2T2R 5GHz 11ax and 2T2R 2.4GHz 11ax Concurrent MU-MIMO with 1.2Gbps PHY Rate + 574Mbps PHY Rate
· 20/40/80MHz Channel Bandwidth
· High Power Design for Multi-radio Co-location
· Supports Standard 5GHz UNII Bands

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

Management

· Onboarding via Bluetooth and MyHitron app
· MyHitron App Configuration, Control and Management
· HitronCloud and OptiMy Backend Support
· OpenSync 2.0

Mechanical

· LEDs: One Multi-colored Status LED
· Factory Default Reset Button
· WPS Button
· Dimensions: 80mm (H) x 140mm (W) x 128mm (D) Net Weight: 370g +/- 10g

Electrical

· Input Power: 12VDC, 1.5A
· Power Adaptor: 110-220VAC, 50/60Hz
· Power Consumption: 6.4W (power saving), 7.46W (typ.), 14.57W (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 Class B Subpart B, Part 15.247, Part 15.407, Part 2.1091
· ICES-003 Issue 6, Class B
· RSS-102 Issue 5
· IC RSS-247 Issue 2, 2017-02 and RSS-Gen Issue 5, 2018-4
· Canada RSS-Gen Issue 5, Amendment 1, Mar 2019
· UL 62368-1
· cUL 62368-1-14
· Wi-Fi Alliance WiFi6

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https://www.go2mhz.com/product/dual-band-mesh-wi-fi-6-extender/