

# Tri-band WiFi 7 Router

OS3625



Supercharge your subscriber's Wi-Fi, eliminate dead zones and Wi-Fi-related support calls with the OS3625 Mesh WiFi 7 Router. This future-ready device delivers the Wi-Fi coverage, capacity, and speed that your customers crave. With the power of WiFi 7 and 10 Gigabit Ethernet ports, you can be confident that users will enjoy whole-home WiFi for brilliant video streaming, fast online gaming, and trouble-free video conferencing anywhere in the house or yard. And with support for a simple app, it's easy to set up and manage WiFi 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 WiFi 7

The ARIA3625 is equipped with 3 WiFi bands, utilizing channel widths up to 320MHz, ensuring high level performance and reliable connectivity for all devices in the home.

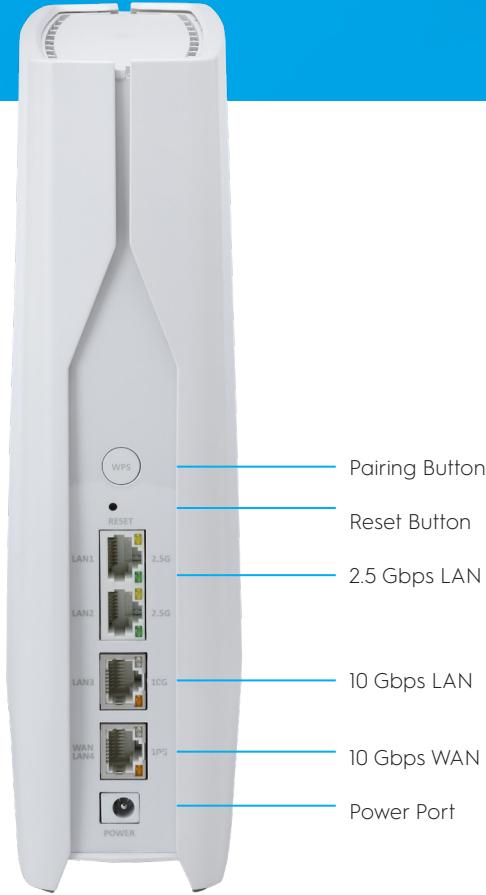
The ARIA3625 supports 4K QAM which further increases throughput and capacity compared to 1K QAM on WiFi 6. Preamble Puncturing efficiently uses the WiFi band despite interference.

## Key Features

- Simultaneous Tri-band WiFi 7
  - 4x4 2.4GHz 802.11be
  - 4x4 5GHz 802.11be
  - 4x4 6GHz 802.11be
- 4096 QAM support on all bands (2.4GHz / 5GHz / 6GHz)
- 320MHz channel support on 6GHz band
- Multi-Link Operation (Single radio / Dual radio)
- Seamless roaming using 802.11k, r, v
- Client steering & channel optimization
- MU-MIMO capable for simultaneous data streaming
- Two 10 GigE and two 2.5 GigE
- Supports Plume (OpenSync 6.4 Compliant)
- Bluetooth Onboarding

## WiFi 7 Multi-Link Operation

WiFi 7 introduces Multi-Link Operation that can increase throughput, reliability and reduce latency. MLO can use up to two WiFi radios operating simultaneously in (5GHz and 6 GHz), creating a single aggregated data connection to deliver the optimal performance, even in congested areas.



## Interfaces

- 2x RJ-45 10GBASE-T Ethernet Ports
- 2x RJ-45 2.5GBase-T Ethernet Ports

## Wi-Fi

### Wi-Fi Characteristics

- 802.11a/b/g/n/ac/ax/be
- 4T4R 6GHz 11be (11.5Gbps) + 4T4R 5GHz 11be (5.7Gbps) + 4T4R 2.4GHz 11be (1.3Gbps)
- 20/40/80/160/320MHz Channel Bandwidth
- High Power Design for Multi-radio Co-location
- Supports Standard 5GHz and 6GHz UNII Bands
- Bluetooth v5.0 Class 2

### Wi-Fi Features

- Up to 4 SSIDs per Radio
- Prioritized QoS: WMM/WMM-PS
- 4096 QAM support on all bands (2.4GHz / 5GHz / 6GHz)
- 320MHz channel support on 6GHz band
- Multi-Link Operation (Single radio / Dual radio)
- 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

- WPA2-PSK (TKIP/AES)
- WPA3-SAE
- WiFi Enhanced Open (OWE)

## 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 and TFTP 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 Backbone
- 6RD Support for Quick IPv6 Deployment over IPv4 Backbone
- RIPv2 for Static IP Support

## Management

- Onboarding via Bluetooth and Plume app
- Plume App Configuration, Control and Management
- OpenSync 6.4 (HomePass / WorkPass)

## 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
- Pair Button
- Dimensions: 182mm(W)\*84mm(D)\*274mm(H)

## Electrical

- Power Input: 12VDC, 4.0A
- Power Adapter: 100-240VAC, 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)