

VAP4641 Wi-Fi Extender

Wi-Fi to Wi-Fi / Ethernet,
4x4 802.11ac dual-band concurrent

FEATURES

- Scandinavian design with flexible placement options:
 - Wall pluggable
 - Desktop placement
- 4x4 5 GHz 802.11ac wireless access point
- 2x2 2.4 GHz 802.11n wireless access point
- ARRIS HomeAssure™ Enabled for whole-home Wi-Fi coverage and performance
- ARRIS ECO Agent™ TR-069 and ECO Envoy™ USP management clients integrated
- Wi-Fi CERTIFIED EasyMesh™



PRODUCT OVERVIEW

Engineered for performance, usability and design, VAP4641 wireless extenders allow service providers to securely deliver high-quality Wi-Fi to any location in a subscriber's home.

Using 802.11ac wave 2 technology, including advanced range booster technology, customers retain traditional "wired" levels of service and quality, while having flexibility of location and ease of installation. Service providers can leverage the enhanced remote management and monitoring capabilities to reduce support costs.

As extenders need to be placed in many different locations in a wide range of home layouts, the VAP4641 allows both a wall plug deployment using the included wall plug adapter as well as a traditional desktop placement using a power cable. An internal power supply with standard power cable connectors enables easier extension or replacement with a longer cable than if an external power unit was used.

The VAP4641 includes a full suite of management features to ensure an optimal customer experience and to reduce operator operational expense. The extender may be part of an ARRIS HomeAssure Wi-Fi solution to deliver high-performance Wi-Fi throughout the home as part of an auto-configuring, auto-optimizing network.

Furthermore, the product comes with the an integrated ARRIS ECO Agent TR-069 client as well as being prepared for the next generation of CPE management standards with the integration of the ARRIS Envoy USP (User Service Platform) client.

GENERAL SPECIFICATIONS

Wireless Characteristics

4x4 5GHz 802.11ac

2x2 2.4GHz 802.11n

4 Spatial Streams

MU-MIMO

Implicit/Explicit Dynamic Digital Beamforming

High-Power Transmit For Maximum Coverage

802.11e, 802.11k, 802.11v, 802.11r

5 GHz Wireless Operating Channels

5 GHz UNII bands (5.15–5.35 GHz, 5.470–5.725 GHz and 5.725–5.850 GHz bands)

20, 40, 80 and 160 MHz bandwidths supported

ARRIS HomeAssure Wi-Fi features

Automatic discovery and setup

Continuous pushing of Wi-Fi configuration to additional units

Band steering for link improvement and load balancing

Client steering for roaming, link improvement, and load balancing

ARRIS HomeAssure Mobile App support

Wi-Fi CERTIFIED EasyMesh – network controller

Wireless Security

WPA2/WPA/AES/WEP-128/WEP-64

Push-Button Wireless Setup (WPS)

Wired Network Interfaces

1 x RJ45 Gigabit Ethernet (10/100/1000) LAN port

GENERAL SPECIFICATIONS - CONTINUED

Management

ARRIS ECO Agent TR-069 compliant management client

ARRIS ECO Envoy USP compliant management client

Password-Protected, Local Web Access

ARRIS HomeAssure Mobile App support

LEDs

Power/WPS status/Backhaul status

RJ45/LAN status LEDs

Regulatory Certification (pending)

Wi-Fi Alliance

CE Mark

FCC

RoHS compliant

Operating Environment

Operating Temperature 0° to +40°C

Storage Temperature -40° to +60°C

Relative Humidity 8% to 95%; Non-Condensing

Physical Specifications

130mm x 100mm x 40mm (5.1in. x 3.9in. x 1.6in.)

Accessories

AC power cable

Wall-mount AC plug

Quick Start Guide



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CUSTOMER CARE

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