

# VAP4300

## 802.11ac Dual Band Concurrent Wall Plug Wireless Extender

### FEATURES

- Wireless Repeater / Wireless Access Point
- Dual Band Concurrent
  - 2x2 802.11n @ 2.4 GHz
  - 2x2 802.11ac @ 5 GHz
- Gigabit Ethernet Port
- Wall plug mounted
- Available with Airtime Management (optional)



### PRODUCT OVERVIEW

Engineered for maximum performance, the VAP4300 wireless repeater allows service providers to securely deliver high quality HD video to any location in a subscriber home.

Using state of the art wireless technology including digital beamforming, customers retain traditional “wired” levels of service and quality while service providers enjoy the benefits of shortened installation times and more flexibility in how they deploy their IPTV or OTT services.

The VAP4300 is designed for flexibility and can be deployed in a number of ways. A single VAP4300 can be connected to an existing residential gateway or home router. The VAP4300 will automatically configure itself to act as a 5GHz video access point for the home. Devices such as tablets and wireless set top boxes with 5GHz 802.11n/ac capabilities can immediately connect to the VAP4300 to start receiving services or connect otherwise to the 2.4GHz 802.11n. For non-wireless devices, an VAP4300 can be connected to the Ethernet port on the client device to enable connectivity.

The VAP4300 includes a full suite of management features to ensure an optimal customer experience and reduce operator expenses. Specifically, the VAP4300 includes local web-based configuration and is remotely managed via TR-069. When connected to a compatible residential gateway, the VAP4300 is controlled and managed automatically via the residential gateway as a single system. This unified view reduces training time and integrates seamlessly with existing management systems.

The VAP4300 wireless access point delivers trouble free video delivery throughout the home without the hassle and experience of installing new home wiring. The VAP4300 is designed to be cost-effective but still meet the strict needs of today’s full service carrier. Service providers can leverage the VAP4300 to differentiate their service offering and to reduce cost by utilizing the product as an alternative to wired connectivity options typically utilized in today’s deployments.

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## GENERAL SPECIFICATIONS

### Network Interfaces

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

IEEE 802.11n/ac (2x2), 5GHz

IEEE 802.11b/g/n (2x2), 2.4GHz

### Wireless Characteristics

Dual band concurrent 802.11n/ac

2x2 MIMO (up to 866 Mbps PHY rate) Spatial Streams

Implicit/Explicit Dynamic Digital Beamforming

High-Power Transmit For Maximum Coverage

Low-Density Parity Check (LDPC)

Space Time Block Coding (STBC)

802.11e

### 5GHz Wireless Operating Channels

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

20, 40 and 80MHz channels supported

### Quality of Service & Traffic Management

IGMPv3 Snooping

Wi-Fi Multimedia (WMM)

IEEE 802.1p (Diff-Serv)

IEEE 802.1q VLANs

### Wireless Security

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

Push-Button Wireless Setup

### Management

Password-Protected, Local Web Access

TR-069 Management Client

Detailed Statistics Logging

## GENERAL SPECIFICATIONS - CONTINUED

### LEDs

Power

Wireless Signal Quality

Operational Mode (AP/STA)

Ethernet Link

Wireless Pairing Indicators

### Regulatory Certification

Wi-Fi Alliance

FCC / UL / cUL

CE Mark

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

122mm x 70mm x 52mm    4.8" x 2.8" x 2"

0.15kg

0.33lb

### Accessories

Clip for vertical positioning

Ethernet Cable

### Industrial Design

Example image shown here may change during product development

## CUSTOMER CARE

Contact Customer Care for product information and sales:

- United States: 866-36-ARRIS
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