VAP2400

ARRIS VAP2400 Wireless Video Access Point

Features

- Wi-Fi Video Bridge
- Wirelessly connects set-tops throughout the home
- Easy to use, easy to install
- Reliable and Secure
- Whole-home rate & reach coverage
- Effortless support for multiple HD and SD streaming in the home
- 802.11n Standard base compliant
- True beamforming 4x4 solution
- Operates in 5GHz band to support HD video reliably
- 4 Antennas Enable X-Y-Z Polarization Diversity
- Support multiple configuration density - 1 or 4 RJ45 Ethernet Ports
- Supports TR-069 with remote firmware upgrade and diagnostics capabilities
- WPA2, WPA and WEP security encryption methods are supported
- Auto Detection capabilities of Device Mode (AP/ STA)

State-of-the-art wireless access bridge solution with superior reach and whole-home coverage, that is easy to use and install, with overall lower total cost of ownership.

Product Overview

The ARRIS VAP2400 will strengthen your set-top portfolio by providing a wireless access bridge solution that delivers whole-home reach and coverage. Our next generation technology allows subscribers easy access to their video content regardless of walls, doors or other physical structures that may exist. The VAP2400 enables service providers to change the way IPTV is deployed, with a cost effective solution that delivers significant savings on installation costs as well as provide a significant differentiator against your competition.

The VAP2400 has been built with key carrier-grade features in mind that enable operators to have a robust alternative to power line, coax and other wired solutions enabling simultaneous HD and SD streams in the home. It is the ideal complementary home networking option, providing a secure, robust and simple-to-use solution that does not exist in the market today. Each VAP adapter can behave as the Access Point or the Client, and provide either a single or quad Ethernet interface to handle the need for extra connectivity ports.

The VAP2400 is an open platform, designed to support multiple set-tops as well as Over-the-Top (OTT) services and other network enabled devices (game console, Internet radio, video cameras, OTT video appliances, etc) commonly found today in subscriber homes.

In an IPTV environment, a wireless video access point enables devices to connect to a wireless network using a fully compliant 802.11n Wi-Fi device to stream high quality video. The VAP2400 can be directly connected to a wired network, usually to a CPE gateway and then to a set-top box client that will receive the IPTV stream over the air or it can relay data between two set-top boxes with multi-room DVR capabilities to share video content in multiple rooms of the home. The ARRIS VAP2400 wireless access point can provide consumers with greater flexibility to meet their home entertainment needs with no wires to connect, no cables to run throughout their home and no holes to drill.

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Features

- Multiple concurrent HD and SD streaming support
- Full HD 1080p resolution support on any/all screens in the home
- High Performance solution designed for in-home convergence
- First 4x4 MIMO 802.11n solution with explicit dynamic digital beamforming
- Operates in the 5GHz frequency band to separate Data and Video applications
- Supports Internet Group Management Protocol (IGMP) snooping
- Supports for 802.11e WMM QoS and 802.1P and 802.1Q
- Security: WPA2/WPA/AES/WEP-128/WEP-64
- Wi-Fi Protected Setup (WPS)
- Automatic Detection of AP/Client mode operation
- TR-069 Remote management

Benefits (802.11n Wi-Fi Video Bridge)

- Equipped with next-generation wireless video chipset for better performance and coverage
- True beamforming 4x4 MIMO solution with whole-house rate & reach coverage
- Effortless support for multiple HD and SD streaming in the home at high data rate and larger house coverage
- IEEE 802.11n standard compliant
- Advanced carrier class home networking features for video distribution within the home
- Full remote management with self-install capabilities
- No subscriber home wiring required
- Secure, reliable and easy to install

Specifications

NETWORK INTERFACES:
1 or 4 RJ45 10/100 Ethernet LAN port

WIRELESS CHARACTERISTICS
4x4 MIMO X-Y-Z polarization diversity
IEEE 802.11n radio
Wi-Fi Protected Setup (WPS)
Wi-Fi Multimedia (WMM), WMM-Power Save (WMM-PS)
802.11e power saving mode
Automatic Power Control
Dynamic TX power saving mode

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 and 40MHZ supported

QUALITY OF SERVICE AND TRAFFIC MANAGEMENT
Supports for IGMPv3 snooping
Supports IEEE 802.1p (Diff-Serv)
Supports IEEE 802.1q VLANs

SECURITY
WEP Encryption 64-bit and 128-bit AES encryption
WPA Encryption TKIP
WPA2 Encryption 802.11i

DEVICE MANAGEMENT
Password-protected access
Statistics logging and reporting
Remote Management
TR-069/TR-098, TR-111
Local Management
WebUI, CLI (Telnet)

LEDS
Power (Front)
Wireless Signal Quality (Front)
Operational mode (AP/STA) (Front)
Ethernet Link (rear panel)

REAR PANEL INTERFACES
Ethernet Ports – One RJ45 (Four-port option available)
WPS pairing button
Reset button
Power Supply – (wall wart)
Power switch (Optional)

REGULATORY CERTIFICATION
Wi-Fi Alliance certified
CE Mark
RoHS-complaint
Code of Conduct compliant (CoC)

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Specifications (continued)

ENVIRONMENTAL	
Operating Temperature	0° to +40°C
Storage Temperature	–40° to +60°C
Relative Humidity	8% to 95%, non-condensing
Dimensions	155mm (H) x 131.5mm (D) x 63mm (W)

ORDERING INFORMATION	
EMEA	
VAP2400E	579650-001-00 VAP with One Ethernet Port
VAP2404E	579651-001-00 VAP with Four Ethernet Port
North America	
VAP2400	579650-002-00 VAP with One Ethernet Port
VAP2404	579651-002-00 VAP with Four Ethernet Port

Specifications are subject to change without notice.

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