

# VAP2500

## 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
- Supports one RJ45 Ethernet Port
- 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)

### Product Overview

The ARRIS VAP2500 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 VAP2500 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 VAP2500 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 VAP2500 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 VAP2500 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. Motorola's VAP2500 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.

# ARRIS VAP2500 Wireless Video Access Point

## 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 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-compliant

Code of Conduct compliant (CoC)

# ARRIS VAP2500 Wireless Video Access Point

## Specifications (continued)

### ENVIRONMENTAL

Operating Temperature	0° to +40°C
Storage Temperature	-40° to +60°C
Relative Humidity	8% to 95%, non-condensing
Dimensions	145mm (H) x 106.4mm (D) x 67.4mm (W)

### ORDERING INFORMATION

#### North America

VAP2500	590043-002-00
	VAP with One Ethernet Port

Specifications are subject to change without notice.



VAP2500 Front View



VAP2500 Rear View

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