

VIP2502W SERIES

ADVANCED, WIRELESS IP HIGH-DEFINITION SET-TOP



Features

- Easy to use and install
- Connects to high-definition or standard-definition TVs
- Supports high-quality Standard Definition and High Definition (SD/HD) digital video
- Dolby® Digital AC3 and AAC digital audio
- Supports secure Digital Rights Management (DRM) with integrated Secure Processor
- Interactive IP set-top supports Electronic Program Guides (EPG) and Video On Demand (VOD), and Multi-room DVR as well as many web/IP-delivered applications using rich advanced graphics
- Supports secure Digital Rights Management (DRM) with integrated Secure Processor
- Supports High-Definition Multimedia Interface™ (HDMI™) connectivity with High-Bandwidth Digital Content Protection (HDCP)
- ROVI® and CGMS-A analog copy protection schemes
- Compatible with Universal Remote Controls
- Supports multiple video codecs—including MPEG-4 AVC (H.264), MPEG-2 and VC-1—for optimum deployment flexibility
- ENERGY STAR® Tier 1 qualified, ENERGY STAR® Tier 2 ready, and RoHS compliant



Product Overview

The ARRIS VIP25n2W Series of wireless set-tops lets you satisfy today's growing demand for feature-rich, interactive video viewing experiences. Both boxes' two-way IP capabilities support the advanced, interactive IP video applications your subscribers want, from Electronic Program Guides (EPG) to advanced digital TV functionality like Video On-demand (VOD), multiple picture-in-picture capabilities, and time-shifted TV. And thanks to the VIP25n2W Series' crystal-clear, high-definition picture and integrated Dolby Digital AC3 and AAC digital audio, IPTV never looked or sounded better.

Wireless Capabilities

Paired with a wireless Access Point, the VIP25n2W Series allows subscribers to view content anywhere in their homes without messy cabling. Using the 5GHz frequency and MIMO antenna technology, the VIP25n2W series products can receive well over four streams of secured HD content. As a result, subscribers can stream their favorite programming to a variety of popular, IP-capable devices—such as smartphones, tablets, MACs, PCs, and gaming consoles—throughout their connected home networks.

The VIP25n2W Series's multi-room capabilities hinge on its support for a full range of high-definition IP video software, which ensures consistent, Instant Channel Changing (ICC) performance and broadcast quality. In fact, the VIP25n2W Series is Microsoft Mediaroom™ ready, so it simplifies the process of connecting and sharing content across devices, in multiple formats. As a result, subscribers can enjoy a truly connected home DVR entertainment experience.

ARRIS VIP25n2W Series Advanced, Wireless IP High-Definition Set-Top

MotoPLYR

The VIP25n2W Series features factory-installed MotoPLYR, our sophisticated diagnostic and test utility. MotoPLYR enables your Operations and Customer Care teams to perform a wide range of on-site troubleshooting and diagnostics evaluations, including:

- VIP25n2W Series set-tops
- The subscriber's home network
- The network back to the critical headend servers, as well as the TV
- The subscribers' home theater setup in the living room.

MotoPLYR is simple to use, so your Operations and Customer Care teams can quickly isolate set-top, home-network, and/or IPTV service problems. The result is a cost-effective customer care solution that adds value to your IPTV services.

Specifications

VIDEO INTERFACES

High-Definition TV	HDMI with HDCP support, optional component video (Y Pb Pr)
Standard-Definition TV	RCA composite video or SCART
Video Codecs	MPEG-2, MPEG-4 AVC (H.264), VC-1, WMV

AUDIO

Audio Interfaces	Optical S/PDIF, L/R RCA stereo audio connectors (1 pair)
Audio Codecs	Dolby Digital 5.1, Dolby Digital Plus, MPEG-1 (MUSICAM), MP3, AAC LC, HE-AAC, WMA

WIRELESS INTERFACE

Compliance	IEEE 802.11n Draft 2.0
Frequency Band	5 GHz
Antenna	4x4 MIMO
RF Power	20 dBm
PHY rate	up to 300 Mbps**
Frame Aggregation	A-MPDU
Coding	Convolutional, STBC
Security	WEP, WPA, WPA2, 802.1X
Setup	Supports Wi-Fi Protected Setup™ (WPS)

OTHER INTERFACES

IR receiver for remote	RCMM, RC5, or RSTEP
USB	2.0 (front panel only)
Ethernet	10/100Base-T Ethernet (RJ-45)
Power input	External power supply
Wireless	Integrated 4x4 802.11n interface

SOFTWARE

MotoPLYR	Embedded MotoPLYR set-top and network test and diagnostic tool support
Operating System	Windows® CE version 5.0, LINUX®
Streaming Protocols	RTSP, RTP/RTCP

Software Upgrade	Remote software download/upgrade
Copy Protection	ROVI 7.1, CGMS-A, HDCP
User Interface	Electronic Programming Guide (EPG7.5)

VIDEO RESOLUTION

NTSC/PAL	480i, 480p (NTSC), 576i (PAL)
High-definition	720p, 1080i, 1080p

PROCESSING

CPU	Broadcom 7406 system-on-chip, 1,100 DMIPS, 2x400Mhz
DRAM	256 MB
Flash	64MB (optional plus 32MB or 128MB total)

MIDDLEWARE

Microsoft®	Mediaroom™ middleware
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ARRIS VIP25n2W Series Advanced, Wireless IP High-Definition Set-Top

Specifications (continued)

SECURITY

Microsoft Mediaroom™ DRM

PHYSICAL

Dimensions 1.77 in H x 6.30 in W x 9.65 in D
(45 mm x 245 mm D x 160 mm)

Weight 2.95 lb (1.3 kg)

Power 95 to 130 VAC, 12 VDC

Power supply rating 18W max.

Operating Temperature 32 °F to 104 °F (0 °C to 40 °C)

Operating Humidity 8% to 95% (non-condensing)

Non-operating Temperature -40 °C to 140 °F (-40 °C to 60 °C)

Non-operating Humidity 5% to 95% (non-condensing)

OTHER

Limited warranty Two years

Compliance UL listed (U.S. and Canada), CE, CoC, RoHS, Energy Star Tier 1, FCC Part 15, CSA, and IC

** Actual throughput will be lower and vary depending on the application and network environment.

Specifications subject to change without notice.



Rear Panel (RCA connectors)



Rear Panel (SCART connector)

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