

VIP2502W Series

ARRIS 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
- As a signatory to the VIA June-2013 Agreement, the ARRIS VIP STB meets the Ecodesign Directive 2009/125/EC.

PRODUCT OVERVIEW:

The ARRIS VIP2502W 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 VIP2502W Series' crystal-clear, high-definition picture and integrated Dolby Digital AC3 and AAC digital audio, IPTV never looked or sounded better.



Rear Panel (RCA connectors)



Rear Panel (SCART connector)

Wireless Capabilities

Paired with a wireless Access Point, the VIP2502W Series allows subscribers to view content anywhere in their homes without messy cabling. Using the 5GHz frequency and MIMO antenna technology, the VIP2502W 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 VIP2502W Series' 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 VIP2502W Series is Ericsson 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.

PlayAssure

The VIP2502W Series features factory-installed PlayAssure, our sophisticated diagnostic and test utility. PlayAssure enables your Operations and Customer Care teams to perform a wide range of on-site troubleshooting and diagnostics evaluations, including:

- VIP2502W 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

PlayAssure 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.



Front Panel (EMEA option)

GENERAL 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

PlayAssure Embedded PlayAssure 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)

GENERAL SPECIFICATIONS (continued)

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 128MB (Standard)

Middleware

Ericsson Mediaroom™ middleware

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,, RoHS, Energy Star Tier 1, FCC Part 15, CSA, and IC
As a signatory to the VIA June-2013 Agreement, the ARRIS VIP STB meets the Ecodesign Directive 2009/125/EC.

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



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