



amino 

ARIA 7

HIGH PERFORMANCE, HEVC HYBRID TV DEVICE,
WITH A VARIETY OF TUNER OPTIONS, OPTIMISED
FOR COST-EFFECTIVELY DELIVERING COMBINED
BROADCAST AND IPTV/OTT SERVICES.



With the Aria 7 series of TV devices, operators are able to provide next generation services in the highest possible resolutions while reaping the cost benefits of reduced bandwidth and installation times.

Deliver Hybrid TV Services Anywhere, Anytime

By providing a tuner that supports a wide range of broadcast standards, including DVB-C, QAM, DVB-T2, and ISDB-T, the Aria 7 enables you to quickly deploy a Hybrid TV service within your market reach, while also allowing you to expand outside your service footprint.

Key Features

With a high performance SoC delivering 7000 DMIPS – and up to 2GB of memory – the Aria 7 offers:

- Optimized for digital video broadcast and streaming media services
- Reduce bandwidth by up to 50% with HEVC support
- Self-configuring Ethernet port and optional Wi-Fi connectivity for easy integration with existing in-home networks and broadband services
- Energy efficient with DeepSleep™ technology for reducing power consumption up to 99% in standby mode
- Option for internal Bluetooth LE or RF4CE for great remote control flexibility

Reduce Bandwidth, Reduce Costs

Studies have shown that H.265/HEVC provides up to 50% better compression than H.264/AVC and 35% bandwidth reduction during live encoding. HEVC compression provides significant benefits to your network by reaching subscribers in the “last mile” that were previously difficult to reach. As a result, you can reduce bandwidth and transport costs, while delivering much higher quality content over Content Delivery Networks (CDN) or streaming content to lower bitrate connections.



IP Connectivity

Aria 7 series provides flexible networking options to simplify installation and enable consumer self-install. Aria is equipped with a self-configuring 10/100 Ethernet port that is compatible with industry standard routers, cable and xDSL modems, and FTTH ONUs.

Aria provides auto-provisioning tools such as BOOTP, DHCP and TR-069 Automatic Configuration Server to make deployment and management faster and more efficient.

Cloud-based Applications for a Connected Home Experience

Meet subscriber's demand by offering the most advanced online services and applications. Based on Broadcom's latest chipset, Aria 7 series supports streaming video services like Netflix, VUDU, and YouTube*.

Ready-to-Deploy Hybrid TV Solution

By supporting all of Amino's ecosystem partners, including the latest digital rights management developments and conditional access solutions, Aria 7 enables you to quickly deploy a video service that also provides advanced cloud-based features for hybrid IPTV and over-the-top (OTT) streaming applications.

Supports Legacy Televisions

Broaden your addressable homes by supporting the millions of televisions in subscriber homes that do not support HDMI. Aria 7 supports composite video, as well as analog stereo audio and digital multi-channel audio outputs.



*Online services and applications may vary and are subject to middleware support and third-party certifications

SPECIFICATIONS

VIDEO FORMATS Standard Supported Formats: Optional Supported Formats:	AVC/H.264 High Profile @ Level 4.2 HEVC/H.265 MPEG-1/H.261/H.263 MPEG-2 Main Profile @ High Level VP9 MPEG-4 Part 2 Advanced Simple Profile VC-1 Advanced Profile @ Level 3 MPEG still picture decode	SECURITY TUNERS NETWORKING	AES, 1DES, 3DES, CPRM, CPPM, CSS, and DTCP copy protection algorithms and standards VB, ARIB, and DC2-compliant transport demux with 1DES, 3DES, DVB, Multi2, and AES descramblers DVB-C/QAM, DVB-T/T2, ISDB-T tuner options Optional internal 802.11ac (2.4 GHz/5 GHz) 2x2 Wi-Fi 10/100 Base-T Ethernet	MECHANICAL ENERGY MANAGEMENT TYPE APPROVALS	134w x 113d x 34h mm 35°C to 40°C (95-104°F) operating temperature 30-95% relative humidity Power 7W maximum at 90-264VAC, 48-63Hz ENERGY STAR compliant FCC Part 15, CEA-60065
AUDIO FORMATS Standard Supported Formats: Optional Supported Formats:	Dolby Digital Consumer Audio (Dolby Digital), output is 2 channel decode and digital pass-through Dolby Digital Consumer Plus Audio (Dolby Digital Plus), output is 2 channel decode and digital pass-through MPEG I Layer 1, 2 LC-ACC & HE-AAC Windows® Media Audio (WMA) MPEG I Layer 3 (MP3)	FRONT & SIDE PANELS	Illuminated standby indicator (on/standby) IR receiver Optional Bluetooth LE or RF4CE receivers USB 2.0 Host Type A		
VIDEO OUTPUTS	NTSC-M, NTSC-J, PAL-BDGHIN, PAL-M, PAL-Nc, SECAM analog outputs 480i/480p/576i/576p/720p/1080i/1080p/4K-2KP60 (upscaling only, not decode) output formats DCS support Rovi 7.1 support HDMI 2.0 with 3D format support Composite video output	BACK PANEL Connectors	Optical digital audio Coaxial RF Output and Antenna Input (tuner options only) RF input HDMI 2.0 IR Extender Port RJ-45 10/100 Base-T Ethernet with integrated status LEDs DC power Factory reset button		
		CPU & MEMORY	7K DMIPS, dual-core ARM-v8 CPU 1GB RAM or 2GB RAM 256MB + 4MB SPI Flash 8GB eMMC option		



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