



Full 4K UHD IPTV set top box which delivers digital signage capabilities and advanced network video decoding. Capable of displaying stunning, smooth 4K graphics and video content, both at 60FPS.



Video Output

- HDMI v2.0:
 - 2160p (50Hz/59.94Hz/60Hz)
 - 1080p (50Hz/59.94Hz/60Hz)

Audio Output

- HDMI: 2 Channel PCM

Video Decoding

- H.265 HEVC main and main 10 profiles (ISO/IEC 23008-2) Resolutions up to 4K 2160p60
- MPEG-4 part 10 H.264 (ISO/IEC 14496-10). Resolutions up to 4K 2160p60
- MPEG-2 (ISO/IEC 13818-2). Resolutions up to Full HD 1080p60

Audio Decoding

- MPEG-1 Layer II (ISO/IEC 11172-3)
- AAC-LC/HE-AAC
- Downmixes multi-channel audio to stereo

Streaming

- MPEG 2 Transport Stream (ISO/IEC 13818-1)
- UDP
- IP multicast, IP unicast
- IGMPv2/v3
- Prototype NDI, NDI HX

Infra-red/Control Options

- 3.5mm jack for IR extender or tethered remote control
- TV control via HDMI CEC

Storage Capacity

- 128GB SSD storage for ultra-fast read & write speeds

Integrated Web Browser

- Chromium-based TV Browser for digital signage and integration with third party middleware
 - HTML 5
 - CSS 3 & DOM 3
 - Image formats: PNG, JPEG
- Graphics resolution up to 4k 2160p60

Security

- Management using HTTPS connection
- Firmware upgrade using Exterity-signed upgrades only

Channel Management

- Channel selection and volume/mute control through either:
 - AvediaServer Smart Control application (ArtioSign playlists)
 - AV mode middleware (TV and radio channels)
- SAP/SDP announcements

Plug and Play

Built-in AV mode middleware finds and displays TV and radio channels within a minute of initial startup

System

- Embedded Linux

Management

- HTTPS device web interface; recommended browser: Chrome[®]
- Access via SSH and Serial RS232 Admin Port
- Event logging via Syslog
- Day-to-day management using the AvediaServer Smart Control application:
 - Reboot, publish signage, set channel, set volume, turn on/off
- Admin using the AvediaServer Site Manager application:
 - Upgrade
 - Set name and location
 - Configuration import/export
 - Advanced RESTful configuration through the Site Manager Command Sender

Network

- Linux IPv4 stack
- DHCP IP addressing
- 2 x 1000BASE-T, 100BASE-TX and 10BASE-T (802.3ab, 802.3u and 802.3 respectively)

Options

- ArtioSign digital signage (licence required)
- IR extender and Exterity remote control required for interactive operation
- TV and wall mounting brackets

Protocols

IP (RFC791), UDP (RFC768), TCP (RFC793), ARP (RFC826), DNS (RFC1035), DHCP (RFC2131), ICMP (RFC0792), IGMP v3 (RFC 3376), HTTP (RFC2616), Syslog (RFC3164), NTP (RFC1305), HLS

Regulatory

CE:

- IEC 62368-1: 2014
- EN 62368-1:2014+A11:2017
- EN55032:2015
- EN55035:2017
- EN 61000-3-2:2014
- EN 61000-3-3:2013

UL/CSA:

- UL62368-1:2014
- CSA C22.2 No. 62368-1, Rev. December 01, 2014

FCC:

- 47CFR Part 15, Sub Part B
- ANSI C63-4:2014

ACMA:

- AS/NZS 62368.1.2014 (ed.2)
- VCCI:
- VCCI-CISPR 32:2016

Environment

- Operating temperature: 0 ...+40°C / +32 ... +122°F
- Storage temperature: -20 ...+70°C / -4 ... +158°F
- Operating Relative Humidity: 5 – 95% (non-condensing)

Dimensions

- 45mm (H) x 200mm (L) x 140mm (D), weight 0.8 kg

Power

- DC Jack (12V): 16W typical, 24W maximum

MTBF

- 53673 hours (6.1 years)

In the Box

- AvediaStream m9605 unit
- AvediaStream m9605 PSU
- Regional power cord
- Safety brochure

Our Media Player Range

	Network				Features			Outputs		
	Ethernet	Wi-Fi	PoE	Storage	Video Resolution	Content Protection	Graphics Resolution	HDMI	Analog	Ethernet
r9300	✓		✓		HD	✓	HD	✓		
r9310	✓		✓		HD	✓	HD	✓	✓	
m9305	✓		✓	32GB	HD	✓	HD	✓		
m9325	✓		✓	32GB	HD	✓	HD	✓		✓
m9325 Wi-Fi	✓	✓	✓	32GB	HD	✓	HD	✓		
m9400	✓		✓		4K	✓	HD	✓		
m9405	✓		✓	32GB	4K	✓	HD	✓		
m9605	✓			128GB	4K		4K	✓		