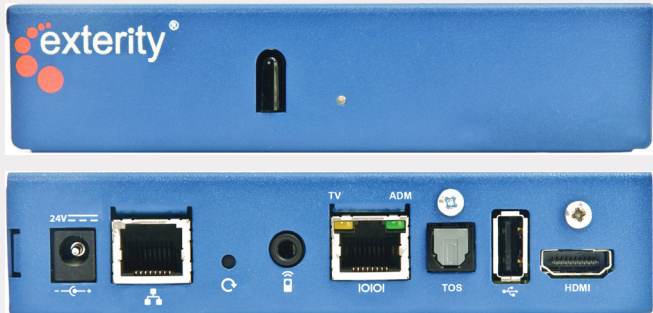


AvediaStream® Media Players

AvediaStream m9305 | avply-m9305



A versatile IPTV stand-alone media player for connecting any TV or AV display device to your IP network. The device's low power consumption makes it an economical choice for enterprise video display and digital signage systems.

Video Output

- HDMI v1.4b (with HDCP):
 - 1080p, 1080i, 720p (50Hz/59.94Hz/60Hz),
 - 576p, 576i (50Hz)
 - 480p, 480i (59.94Hz/60Hz)

Audio Output

- HDMI: 2 or 6 Channel PCM or Bitstream
- TOS: 2 Channel PCM or Bitstream

Video Decoding

- MPEG-4 part 10 H.264 (ISO/IEC 14496/10)
- MPEG-2 (ISO/IEC 13818-2)
- Resolutions:
 - 1080i, 1080p @ 50Hz, 59.94Hz or 60Hz
 - 576i, 576p, 720p
 - 480i, 480p
 - 240p, 360p

Audio Decoding

- MPEG-1 Layer II (ISO/IEC 11172-3)
- AC3/EAC3
- AAC/HE-AAC
- Downmixes multi-channel audio to stereo
- Dolby Digital and Dolby Digital Plus pass through

Streaming

- MPEG 2 Transport Stream (ISO/IEC 13818-1)
- UDP, RTP
- HLS (6Mbps limit for HLS)
- IP multicast, IP unicast
- IGMPv2/v3
- Video On-Demand: HLS, RTSP, HTTP

USB 2.0 Port

- Can be used for external storage and Human Interface Devices
- USB hot plug enables auto-mounting of USB devices

Content Protection

- Decryption of HDCPv2.2 protected content
- Decryption of Samsung LYNK™ DRM protected content (live streams) from an AvediaStream g4415-1k Gateway and pre-encrypted VoD content hosted on an AvediaServer. Samsung LYNK DRM Client licence required.
- Decryption of ARRIS SECUREMEDIA® DRM protected content (live streams and VoD) from an AvediaStream g4415-sm Gateway. Encrytonite ONE™ Server and client licence required.

Channel Management

- Using the AvediaServer Smart Control application
 - Set channel
 - Set volume/mute
- On-device channel management
 - SAP/SDP announcements
 - Channel access control
 - XML channel lists, static & hidden channels
 - Channel redundancy & failover to channel or web page

Infra-red/Control Options

- Built-in IR receiver
- 3.5mm jack for IR extender or tethered remote control
- Third party IR & USB remote controls supported
- TV control via Serial RS232 or HDMI CEC
- HDMI CEC Remote Control Passthrough

System

- CPU: ST40-300 650MHz
- RAM: 512MB
- Flash: 256MB (for firmware and configuration), 32GB (for content storage)
- OS: STLinux 2.4

Built-in User Interface

- Channel selection menu
- Volume control
- Audio Language control
- DVB Subtitles (ETSI EN 300 743)
- Closed captions (CEA-608 captions embedded in CEA-708 data)
- Teletext subtitles

Integrated Web Browser

- Ekioh TV Browser for digital signage and integration with third party middleware
 - HTML 5
 - CSS 3 & DOM 3
 - Image formats: PNG, JPEG

Management

- Fully integrated with all Exterity management tools:
 - Admin level management using AvediaServer Director and Site Manager applications
 - Day-to-day management using AvediaServer Smart Control application
 - HTTP/HTTPS device web interface; recommended browser: Chrome®
- Simple Certificate Enrollment Protocol (SCEP) for HTTPS
- SNMP
- UPnP device discovery
- RESTful API
- Console access via SSH and Serial RS232 Admin Port
- Terminal Control Interface (TCI) for control system integration
- Event logging via Syslog (local and remote)
- Firmware upgrade via TFTP
- Configuration backup/restore via TFTP
- Secure Mode option to lock down media player access

Network

- Linux dual IPv4/IPv6 stack
- DHCP/DHCPv6 or Static IP addressing
- IEEE 802.3u 10/100Mbps MDIX Ethernet
- IEEE 802.3af POE PD
- IEEE 802.1X network authentication
- Simple Certificate Enrollment Protocol (SCEP) for 802.1X

Additional Features

- Accelerated channel change mode (sub 500ms (transcoder required))
- Video wall capability
- Unit-to-unit sync capability
- Low end-to-end latency (sub 400ms end-to-end latency (specific settings required. Contact Exterity Support for more information))

Options

- TV and under-desk mounting brackets
- IR and wired remote controls and extenders
- Power supplies for non-POE environments
- ArtioSign® Display digital signage licence

Protocols

IP (RFC791), UDP (RFC768), TCP (RFC793), ARP (RFC826), DNS (RFC1035), DHCP (RFC2131), ICMP (RFC0792), IGMP v3 (RFC 3376), TFTP (RFC1350), HTTP (RFC2616), Syslog (RFC3164), NTP (RFC1305), SAP (RFC2974), SDP (RFC4566), RTP (RFC3550), RTSP (RFC2362), SNMPv1/v2c (RFC1157/RFC1901), HLS, HTTPS (RFC2818), 802.1X (RFC3580), SSDP, IPv6 (RFC 8200), DHCPv6 (RFC 8415), SLAAC (RFC 4862), MLD (v2) (RFC 3810), NDP (RFC 4861)

Environment

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

Regulatory

- CE:
 - IEC 62368-1: 2014
 - EN 62368-1:2014+A11:2017
 - EN55032:2012 + corrigenda Aug 2012 & Dec 2012
 - EN55024:2010 + A1:2015
 - EN 61000-3-3:2013
- UL/CSA:
 - UL62368-1:2014
 - CSA C22.2 No. 62368-1, Rev. December 01, 2014
- FCC:
 - 47CFR:2011 Part 15, Sub Part B
 - ANSI C63-4:2014
- ACMA:
 - AS/NZS 62368.1:2018
 - AS/NZS CISPR 32:2013

Dimensions

- 35mm (H) x 140mm (L) x 95mm (D), weight: 0.4 kg

Power

- DC Jack (24V): 6W typical, 10.5W maximum
- POE IEEE 802.3af PD (48V): 6W typical, 10.5W maximum

MTBF

- Calculated to MIL-HDBK-217F, notice 2: 119904 hours (13.7 years)

In the Box

- AvediaStream m9305 Media Player, single HD AV (HDMI) out, 32 GB storage, PoE (802.3af), includes ArtioView client licence
- Product Safety Brochure (hard copy)