

AvediaPlayer m9325 -Wi-Fi Media Player

The AvediaPlayer m9325 Wi-Fi combines the delivery of HD video across a wide range of resolutions up to 1080p60, with an additional Ethernet port and large content storage capacity. An integrated Wi-Fi module enables organizations to deliver IPTV and digital signage content to the m9325 Wi-Fi wirelessly.



Video Output

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

Video Decoding

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

Audio Output

- HDMI: 2 or 6 Channel PCM or Bitstream

Audio Decoding

- MPEG-1 Layer II (ISO/IEC 11172-3)
- AC3/EAC3
- AAC/HE-AAC
- Down-mixes multi-channel audio to stereo

USB 2.0 Port

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

Digital Signage

- ArtioSign® Display software (licensable option)

Streaming

- MPEG2 Transport Stream (ISO/IEC 13818-1)
- UDP, HLS, RTP (6Mbps limit for HLS)
- IP multicast ; IP unicast
- IGMPv2/v3
- Video On-Demand: HLS, RTSP, HTTP

Content Protection Support

- Decrypts HDCPv2.2 protected content
- Decrypts Samsung LYNK™ DRM protected content (live streams) from an AvediaStream g4415-1k TVgateway. Samsung LYNK DRM Client license required.
- Decrypts ARRIS SECUREMEDIA® DRM protected content (live streams and VoD) from an AvediaStream g4415-sm TVgateway. Encryptonite ONE™ Server and client license required.

Infra-red/Control Options

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

Channel Management

- Using the AvediaServer Smart Control app
 - 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

System

- CPU: ST40-300 540MHz
- RAM: 512MB
- Flash:
 - 256MB (for firmware and config)
 - 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 Browsers

- Ekioh TV Browser for integration with Exterity and third party middleware
 - HTML5
 - CSS 3 & Dom 3
 - Image formats: png, jpeg

Management

- Fully integrated with all Exterity management tools:
 - Admin level management using AvediaServer Director & AvediaCare 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 802.3at POE+ PD
- IEEE 802.1X network authentication
- Simple Certificate Enrollment Protocol (SCEP) for 802.1X
- Second Ethernet port with 802.3af PSE Power Over Ethernet (POE) (requires PoE+ in or use of power supply avply-ps48-xx)
 - Max output: 7W (Class II)

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))

Wi-Fi

- Integrated Wi-Fi module enables client operation to join wireless networks
- 802.11ac/n/g/b/a
- Channels 1 - 14 (2.412 - 2.484 GHz)
- Security: WEP, WPA, WPA2, AES, TKIP, CKIP

Optional Accessories

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

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

- EN55022:2010
- EN55024:2010
- EN 61000-3-3:2008
- IEC 60950-1:2005 (Ed. 2.0) + Am 1:2009 +Am 2:2013
- EN60950-1 2006 + A11:2009, A1:2010, A12:2011, A2:2013

FCC/UL/CSA

- 47CFR:2011 Part 15, Sub Part B
- ANSI C63-4:2003
- UL60950-1/CSA C22.2 No. 60950-1, Second Edition. Rev. October 14, 2014

ACMA

- EN55022:2010 + AC2011
- AS/NZS 60335.1:2011 +A1

Wi-Fi Module Regulatory

USA

- FCC Part 15, Subpart C 15.247 (WLAN)
- FCC Part 15, Subpart C 15.247 (BT)
- FCC Part 15, Subpart E 15.407 (DFS)

Canada

- ICES-003:2012 Issue 5, Class B
- RSS-Gen, Issue 4, November 2014
- RSS-102, Issue 5, March 2015
- RSS-247, Issue 1, May 2015

Mexico

- NOM-121-SCT1-2009

EU

- EN300 328 V1.9.1
- EN301 489-1 V1.9.2
- EN301 489-17 V2.2.1
- EN301 893 V1.8.1
- EN62311:2008
- EN55022:2011

Australia, New Zealand

- AS/NZS 4268: A1: 2013
- AS/NZS 2772.2

Japan

- ARIB STD-T66 (v3.7), MIC notice 88 Appendix 43 RCR STD-33 (v5.4), MIC notice 88 Appendix 44
- ARIB STD-T71 (v6.1), MIC notice 88 Appendix 45

Country Transmitter IDs

- USA FCC ID R68PW2050
- Canada IC ID 3867A-PW2050
- Mexico RCPLAPW15-2109
- Japan ID 201-152843
- China SRRC 2015AJ6847 (M)

Dimensions

- 35mm (H) x 230mm (L) x 140mm (D)
- Weight 0.6kg

Power

- Typical: 9W, Maximum: 13.5W
- DC Jack 48V
- PoE 802.3af PD

MTBF

- Calculated to MIL-HDBK-217F, notice 2: 77202 hours (8.8 years)