



4K UHD IPTV set top box which delivers interactive user portals and advanced network video decoding. Its fanless design, PoE functionality and low power consumption make it an economical choice for hospitality environments where premium video quality is important.



Video Output

- HDMI v2.0 (with HDCP 1.4 & 2.2):
 - 2160p (24Hz/50Hz/60Hz)
 - 1080p, 1080i, 720p (50Hz/59.94Hz/60Hz)
 - 576p, 576i (50Hz)
 - 480p, 480i (59.94Hz/60Hz)
- HDR Support:
 - HDR10
 - HLG

Audio Output

- HDMI: 2 or 8 channel PCM or Bitstream

Video Decoding

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

Audio Decoding

- MPEG-1 Layer II (ISO/IEC 11172-3)
- AC3/EAC3
- AAC-LC/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 Live and VoD
- SRT
- IP multicast, IP unicast

Infra-red/Control Options

- Built-in IR receiver
- 3.5mm jack for IR extender
- TV on/off control using HDMI CEC

Integrated Web Browser

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

Content Protection

- Decryption of HDCPv2.2 protected content
- Decryption of ARRIS SECUREMEDIA[®] DRM protected content (live streams) from an AvediaStream g4415-sm Gateway. Encrytonite ONE[™] Server and client licence required.

Channel Management

- Channel selection and volume/mute control through either:
 - AvediaServer Smart Control application (ArtioGuest portals)
 - AV mode middleware (TV and radio channels)
- SAP/SDP announcements
- Optional channel import (static channels) in AV mode

Plug and Play

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

Accessibility

- DVB subtitles (ETSI EN 300 743)
- Teletext subtitles (ETSI EN 300 468)
- Closed captions (CEA-608 captions embedded in CEA-708 data)

Management

- HTTP/HTTPS device web interface; recommended browser: Chrome[®]
- Console access via SSH and Serial RS232 Admin Port
- Event logging via Syslog (local and remote)
- Day-to-day management using the AvediaServer Smart Control app:
 - Reboot
 - Publish signage
 - Set channel
 - Set volume
 - Turn on/off
- Administration using the AvediaServer Site Manager app:
 - Upgrade
 - Set Name and location
 - Configuration import/export
 - Advanced RESTful configuration through the Site Manager Command Sender

Security

- Management using HTTPS connection
- Firmware upgrade using Exterity-signed upgrades only
- Secure hardware platform

Network

- Linux IPv4 stack
- DHCP IP addressing
- IEEE 802.3u 10/100Mbps MDIX Ethernet
- IEEE 802.3af PD

System

- Linux-based

Options

- TV and wall mounting brackets
- External AC-DC Power supply for non-POE environments
- IR remote controls and extenders

Additional Features

- Accelerated channel change mode (sub 500ms (transcoder required))
- Unit-to-unit sync capability

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, SSDP, SRT

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 (24V): 10W typical, 12W maximum
- POE IEEE 802.3af PD (48V): 10W typical, 12W max

Regulatory

- CE:
 - IEC 62368-1: 2014
 - EN 62368-1:2014+A11:2017
 - EN55032:2012 + corrigenda Aug 2012 & Dec 2012
 - EN55024:2010 + A1:2015
 - EN 61000-3-2:2014
 - 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 62368.1.2014 (ed.2)

MTBF

- Calculated to MIL-HDBK-217F, notice 2: 101276 hours (11.6 years)

ArtioGuest

The AvediaPlayer m9400 has been designed specifically for use with ArtioGuest, Exterity's hospitality middleware. It enables organisations to deliver a captivating video experience through advanced network video decoding and 4K video capability. It offers the following:

- Live TV channels
- Programme Guide
- Video on Demand
- Channel recording
- Video sharing
- Video on page
- Information pages
- View (create layers)
- Room service
- Hotel services
- RSS feeds
- TV apps
- Guest (PMS required)
- Language selection
- Welcome message
- Date/Time
- Excursions (PMS required)
- Mailbox
- Weather

In the Box

- AvediaPlayer m9400 Media Player, single 4K UHD AV (HDMI) out, PoE (802.3af); includes ArtioGuest client licence
- Product Safety Brochure (hard copy)