

ArtioPortal Desktop is a multi-platform media player allowing you to view all your IPTV content in a browser. Installation of the dedicated Windows 10 AvediaPlayer Desktop provides full operation where browser feature restrictions inhibit access.

Delivery

ArtioPortal Desktop is supplied as part of AvediaServer m7205 and m7305 software modules. Ten Desktop licenses are supplied with the AvediaServer software and further licenses can be purchased separately. ArtioPortal Desktop licenses are floating and are held on the AvediaServer. This allows any compatible PC, Chromebook or AvediaPlayer Desktop to access ArtioPortal up to the license limit.

Video Decoding

- MPEG-H Part 2 H.265 HEVC (ISO/IEC 23008-2)
- MPEG-4 part 2 (ISO/IEC 14496-2)
- MPEG-2 (ISO/IEC 13818-2)
- Resolutions: up to 2160p (see table)
- ARRIS SECUREMEDIA® protected stream playback (see Content Protection section)*

Audio Decoding

- MPEG-1 Layer II (ISO/IEC 11172-3)
- AAC/HE-AAC
- LATM encapsulation
- Down mix multi-channel audio to stereo

Streaming

- MPEG-2 Transport Stream (ISO/IEC 13818-1)
- UDP, IP multicast, HLS, RTP
- IGMPv2/v3
- Video on Demand: HLS
- NewTek® NDI® (AvediaPlayer Desktop only)

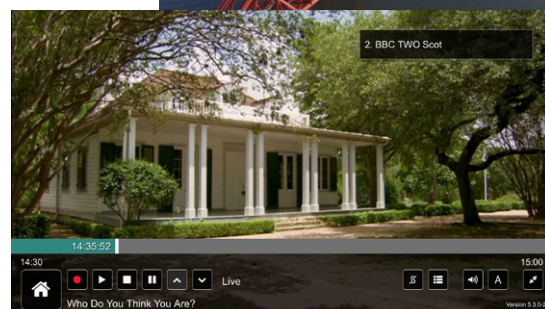
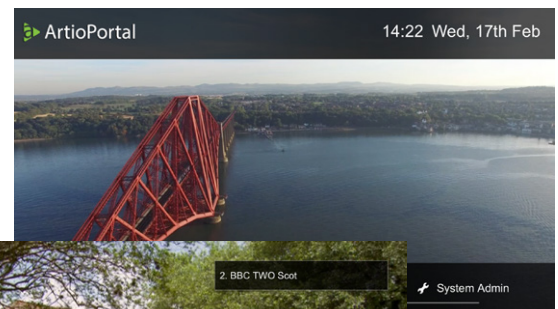
Overlay Decoding

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

Content Protection*

- ARRIS SECUREMEDIA DRM protected broadcast content playback
- Compatible with SECUREMEDIA stream encryption, client authentication, authorization and key management
- SECUREMEDIA System required

*Not supported by Chrome OS



User Interface

- Fully customizable through ArtioPortal
- Record from program guide
- Record control, set repeating recordings
- Program information display
- Live updated program progress bar
- Pause and skip to specific points in VoD content
- Audio and subtitle language selection
- Group and individual level access control provided by ArtioPortal or organizational directory services using Active Directory
- Display subtitles, teletext or closed captions
- Option to view live or from program start in Catchup (AvediaPlayer Desktop only)

Management

- Network administration using the ArtioPortal Manager application (Java-based player only)

Protocols

- IP (RFC 791), UDP (RFC 768), TCP (RFC 793), IGMP (RFC 3376), HTTP (RFC 616), HLS (RFC 8216), RTP (RFC 3550), SNMP (v1, v2c -RFC 1901), LDAP (RFC 4511)

AvediaPlayer Desktop requirements

- Operating system: Windows 10 (thin clients not currently supported)
- DirectX 11 hardware acceleration

Chromebook minimum requirements

- Note: Performance of Chromebooks will vary depending on device hardware – testing on specific Chromebooks is recommended
- Operating system: Chrome OS 54 or later
- Memory: 1GB of RAM

Java player requirements

- Operating system: Windows 7 or higher
- DirectX 9 hardware acceleration
- Web browser: Internet Explorer 11

Windows minimum requirements

- PC with an Intel Core 2 Duo processor
- Memory: 2GB of RAM
- Disk Capacity: 2GB of hard disk space for caching
- HTTP/HTTPS web interface for AvediaServer administration

Feature	AvediaPlayer Desktop	Browser + Java	Chromebook + plugin
Maximum video resolution	4K UHD 2160p	Full HD 1080p	Full HD 1080p
HEVC (h.265) decode*	Y (HW only)	N	N
H.264 decode*	Y (HW only)	Y (SW only)	Y
MPEG-2 decode*	Y (HW only)	Y (SW only)	Y (SW only)
Play live multicast	Y	Y	N
Play live HLS	Y	Y	Y
Play live SECUREMEDIA protected streams	Y	Y	N
Play radio	Y	Y	Y
Play VoD	Y	Y	Y
Pause Live TV	N	Y	N
View EPG	Y	Y	Y
Select and play channel from EPG	Y	Y	Y
Trigger record from EPG	Y	Y	Y
Record control, set repeat recordings	Y	Y	Y
Program information display	Y	Y	Y
Program progress bar	Y	Y	Y
Pause and skip forward/back in VoD	Y	Y	Y
Select audio language	N	Y	N
DVB Subtitles	Y	Y	Y
Closed Captions	Y	Y	Y
Teletext subtitles	N	Y	N

* Decode in HW is more efficient, but requires native GPU support

Compatibility

	Windows	MacOS	Chromebook ²
AvediaPlayer Desktop	Yes ¹	No	n/a
Chrome	No	No	Yes
Internet Explorer	Yes ³	No	n/a
Firefox	No	No	n/a
Safari	n/a	No	n/a

1 AvediaPlayer Desktop only supported on Windows 10

2 Chromebook: Only supported on ChromeOS v54 or later

3 Requires Java