

AvediaServer m7305 is the complete IPTV system server. Record and stream content, provide video on demand, middleware on a variety of platforms, and manage events and devices.

AvediaServer Applications (m7305)

User Experience Applications



ArtioPortal

- Client to interact with ArtioPortals on a PC, Mac, or Chromebook
- Play live TV, radio, Catchup TV, and VoD content
- View ArtioPortal apps, such as EPG information
- Set up live TV channel recordings to be stored on an AvediaServer

ArtioPortal Configurator

- Create multiple ArtioPortals to precisely match customer requirements
- Configure and manage multiple user portals
- Configure the functionality offered to the user for each portal
- Control portal access and interface customization

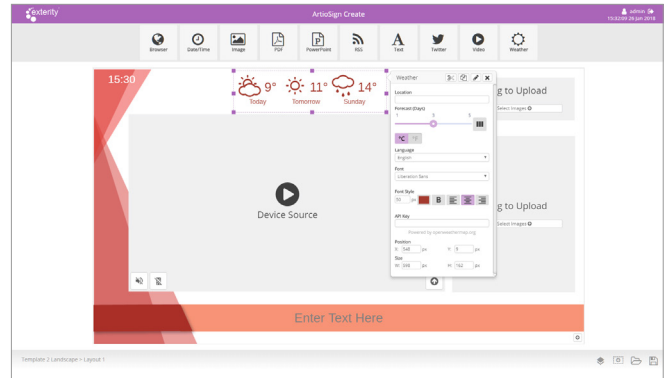
ArtioPortal Manager

- Control, monitor and manage Desktop clients
- Manage, configure and license ArtioPortal Desktop players
- Monitor and control users
- Control player channel, volume and default subtitle settings
- Control hierarchy based on Active Directory user information

Digital Signage Applications

ArtioSign Schedule

- Schedule specific content to be displayed at certain times using ArtioSign Schedule's graphical calendar interface
- Create Campaigns to combine playlists into a 24 hour/7 day repeating schedule



ArtioSign Create

- Graphical drag and drop signage creation
- Create uniquely branded, full HD digital signage layouts with drag-and-drop simplicity
- Choose from a number of different on-screen elements to build digital signage layouts:
 - Browser
 - Date/Time
 - Images
 - London Transport (licensed separately artio-lic-ldn)
 - PDF & PowerPoint import
 - Room Booking
 - RSS feeds (Scrolling)
 - Text (Static, multi-line, scrolling)
 - Twitter
 - Video (up to and including 4K)
 - Weather
- Create playlists
- Advanced user/profile permissions for multi-user access and group control
- Landscape and portrait layouts
- Configure layouts to display on certain days, dates and times

Channel Applications

Channel Announcer

- Enable Exterity IPTV devices to discover third party channels
- Change the SAP address for announced channels

EPG Server

- Collect and manage the channel data used to display Program Guides within ArtioPortal and ArtioGuest
- Aggregate EPG data from Exterity head end and XML sources
- Associate imported XML data with any channel
- Create organization-specific EPG

Channels

- Reduce disruption - specify one or more alternative channels to play in the event of stream failure

Video on Demand Applications

Asset Editor

- Edit recordings and media assets
- Video preview of assets and recordings and graphical point and click selection for download or trimming

Play

- Create and manage custom IPTV channels to stream media from the AvediaServer (up to 550 Mbps depending on bandwidth option)
- Drag and drop interface to set up assets for play channel
- Default asset feature ensures channel always present for end users

Recorder

- Create and manage recordings from network channels (up to 200 Mbps depending on bandwidth option)
- Create instantaneous, scheduled or continuous recordings

Transfer

- Asset and recording transfer control options
- Transfer recordings automatically to AvediaServers, FTP servers or file shares

Video on Demand

- Manage media assets for on-demand availability to any client devices through ArtioPortal and ArtioGuest up to 550 Mbps (depending on bandwidth option) using HTTP Live Streaming (HLS)

Control and Event Applications

Smart Control

- Graphical control and management of viewing end points
 - Exterity 93- and 94-series Media Players
 - Samsung, LG, Sony & Philips hospitality SmartTVs (ArtioGuest)
 - Samsung & LG LFDs (ArtioSign)
- Manage guest portals and digital signage
- Grouping and drag-and-drop based management
- Initiate actions such as source change on single or groups of devices
- Send messages to selected ArtioGuest portals

Macro Builder

- Create and manage a library of actions (macros) to be performed on IPTV devices by specified triggers

Macro Triggers

- Define and manage events triggering macros or sequences of macros
- Apply macros to one or more devices
- Macros can be triggered using:
 - Web interface
 - Configurable third party traps
 - AvediaServer API

Messaging

- Display configurable messages on specified ArtioPortal client devices

Projector Control

- Graphical control and management of data projectors
- Grouping and drag-and-drop based management
- Links projectors to AvediaPlayer Media Players
- Initiate actions such as source change on single or groups of projectors
- Automatic monitoring of projector health such as bulb and filter life, with early warning when bulbs or filters need replaced
- Support for PJLink compatible projectors from a wide range of manufacturers

AvediaServer and System Applications

Asset Manager

- Import and manage assets for ArtioPortal, ArtioSign and ArtioGuest

AvediaCare

- List, order and filter the Exterity IPTV devices in your network
- Apply firmware updates, name and location changes to Exterity devices
- Download Exterity IPTV device estate details (CSV)

Channel Monitor

- Monitor the status of IPTV channels on the network.
- Automatic discovery of channels using SAP
- Real-time view of channel status
- Monitor channel performance including:
 - Bitrate
 - Uptime
 - Continuity
 - TEI
 - Sync errors

Director

- Monitor and manage Exterity devices.
- Automatic discovery of Exterity IPTV devices
- Real-time view of device status
- Configuration of individual/multiple devices
- Upgrade firmware on other devices
- Export/import configuration
- Factory reset
- TFTP Server
- Control of individual/multiple media players to:
 - Change channel
 - Change display mode
 - Change volume
- Scheduled configuration/control of the above features

Feature Manager

- Manage and control licensing across Exterity products to enable extra features precisely as required

Logger

- Capture historical IPTV system information for performance and event monitoring
- View detailed logs of server activity
- Control AvediaServer syslog function
- View logs from external devices

SECUREMEDIA Link

- Link to an ARRIS SECUREMEDIA® server

System

- Monitor and manage the core functions of the AvediaServer
- Monitor and control services running on the AvediaServer
- Configure network settings and view network statistics
- Carry out AvediaServer system maintenance such as upgrades or import/export configurations

TFTP Server

- Store and serve files such as firmware and other resources for IPTV devices

Users

- Create and manage AvediaServer users, configure access permissions including security and Single Sign On for AvediaServer and Active Directory users:
 - Create and edit user accounts
 - Set up profiles for groups of users
 - Configure Active Directory (LDAP) integration and Single Sign On settings
 - Set up device and user access control
 - Configure HTTPS secure server & Single Sign On (SSO) access

Web Server

- Upload and host a simple website on the AvediaServer to provide information to end users

Technical Specifications

System

- AvediaServer software based on CentOS 7
- System access via command line only

Management

- HTTP/HTTPS web interface for AvediaServer administration
Recommended browser: Chrome®
Contact support@exterity.com for version information
- Access the Exterity Server Admin Program using SSH or serial RS232 port on c1500 series platforms
- Serial RS232 admin port on c1500 series platforms

Network

- Linux IPv4 stack
- DHCP or Static IP addressing (recommended)
- Supports HTTP proxy
- Ethernet link aggregation
- Ethernet link redundancy
- Firewall enables separate streaming and admin/application interfaces

Protocols

- IP (RFC 791), TCP (RFC 793), ARP (RFC 826), DNS (RFC 1035), DHCP (RFC 2131), ICMP (RFC 792), TFTP (RFC1350), HTTP (RFC 616), SYSLOG (RFC 3164), NTP (RFC1305), SAP (RFC 2974), SDP (RFC 4566), SSH (RFC 253), SNMP (v1, v2c -RFC 1901), LDAP(RFC 4511)

Applications	AvediaServer Core Software Modules				
	m8105	m8115	m7205	m7305	m8365
AvediaServer Applications	✓	✓	✓	✓	✓
Digital Signage Applications	✓	✓ ¹	✓ ¹	✓ ¹	✓ ¹
Control and Event Applications	✓ ²	✓ ²	✓	✓	✓
Channel Applications		✓ ⁴	✓	✓	✓
User Experience Applications			✓	✓	✓
Property Management System Integration			✓ ³	✓ ³	✓
Video on Demand Applications				✓	✓
ArtioInsight		✓			✓

¹ Includes ArtioSign file conversion. ² Includes Smart Control application only. ³ Separate license required. ⁴ Channels application only.