

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

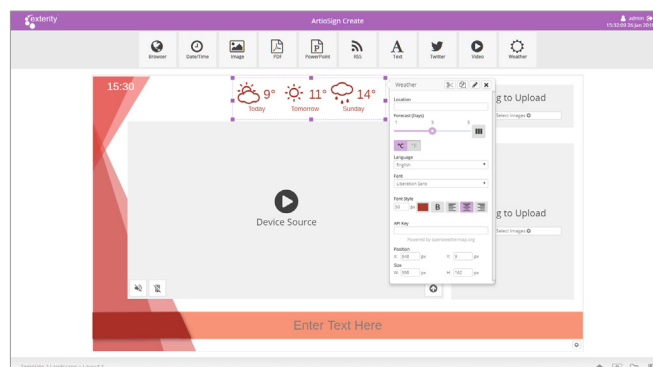
#### ArtioPortal Configurator

- 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 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:
  - Video
  - Image
  - Text (Static, multi-line, scrolling)
  - RSS feeds (Scrolling)
  - PDF import
  - PowerPoint import
  - Weather
  - London Transport (licensed separately artio-lic-ldn)
  - Date/Time
- Create playlists
- Advanced user permissions for multi-user access and group control
- Landscape and portrait layouts

#### 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

## 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 ArtioPortals
- Aggregate EPG data from Exterity head end and XML sources
- Associate imported XML data with any channel
- Create organization-specific EPG

### 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 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 Media Players
  - Samsung hospitality Smart TVs
  - LG hospitality Smart TVs
- Publish ArtioSign signage
- Grouping and drag-and-drop based management
- Initiate actions such as source change on single or groups of devices

#### 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 Receivers
- Initiate actions such as source change on single or groups of projectors
- Automatic monitoring of projector health such as bulb and filter life
- 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 ArtioSign and ArtioPortal

#### AvediaCare

- List the type, MAC address, firmware version and licensed features of the Exterity IPTV devices in your network

#### 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 receivers 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
- System access via command line only for ease of use, performance and security

### 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 c1510/c1555
- Serial RS232 admin port (on c1510 and c1555 platforms)

### Network

- DHCP or static IP addressing (recommended)

### 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	✓	✓*	✓*	✓*	✓*
Control and Event Applications		✓**	✓	✓	✓
Channel Applications			✓	✓	✓
User Experience Applications			✓	✓	✓
Property Management System Integration			✓***	✓***	✓
Video on Demand Applications				✓	✓

\* Includes imported file conversion.

\*\* Includes Smart Control application only.

\*\*\* Separate license required.

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