

The AvediaServer IPTV Producer m7200 includes ArtioPortal® - a middleware service providing a customizable user interface for Exterity® Receivers and PC/Mac clients. IPTV Producer m7200 combines AvediaServer IPTV Director m7100 system management software with extra functions to customize system control and client interaction.

AvediaServer Applications (m7200)

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

- 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 Manager

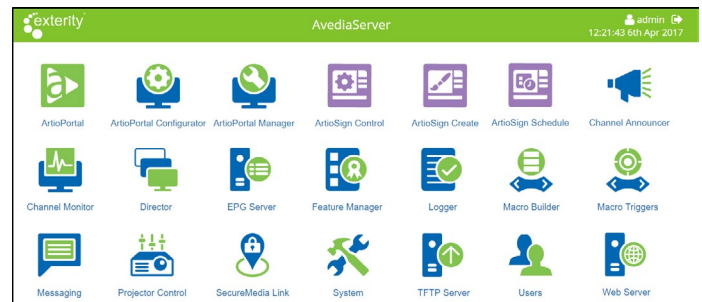
- Control, monitor and manage Desktop clients
- Manage, configure and license Artio Desktop players
- Monitor and control users
- Control player channel, volume and default subtitle settings
- Control hierarchy based on Active Directory user information

Channel Announcer

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

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



Macro Builder

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

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

Messaging

- Display configurable messages on specified Artio 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

Web Server

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

AvediaServer Applications (m7100)

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 Control

- ArtioSign Control provides graphical management and control of Exterity ArtioSign players, and turns Exterity Receivers into digital signage players
- Publish playlists and campaigns to ArtioSign Display-enabled receivers using the simple drag-and-drop interface
- Create Signage Groups to manage and publish to multiple devices
- Access ArtioSign Control from a PC, or from an Apple or Android tablet to manage digital signage on the move

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

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

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

SECUREMEDIA Link

- Link to an ARRIS SECUREMEDIA® server

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

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

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

Technical Specifications

System

- AvediaServer software based on Ubuntu 12.04.04 LTS
- 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)

Compatibility		AvediaServer Core Software Modules		
		Director m7100	Producer m7200	Creator m7300*
Platforms	c1510-50 Hardware Chassis	✓	✓	✗
	c1510 Hardware Chassis	✓	✓	✓
	c1555 Hardware Chassis**	✓	✓	✓
	v1600 Virtual Chassis	✓	✓	✓
ArtioPortal Licenses	ArtioPortal Desktop	✗	✓	✓
	ArtioPortal SmartTV	✗	✓	✓
	ArtioPortal Mobile	✗	✓	✓
Specialist Applications	PMS Link Software	✗	✓	✓
	ArtioMultiview® Configurator	✗	✓	✓
Bandwidth Options	110Mbps	✗	✗	✓
	220Mbps	✗	✗	✓
	550 Mbps†	✗	✗	✓

* A bandwidth option is required for the m7300

** A hard disk RAID option is required for the c1555 chassis

† Note that the 500 Mbps option is only available on the c1555 or v1600 platforms