

# AvediaServer Software Module

## IPTV Director m7100

With the AvediaServer IPTV Director m7100, you can control and monitor an Exterity system, protecting investment and maximizing channel availability. The AvediaServer m7100 provides a comprehensive set of IPTV system management applications and is ideal for installations where Exterity AvediaStream head end and AvediaPlayer Receiver clients are involved.

- Discover, manage and control IPTV devices
- Monitor the status of all IPTV channels and devices on your network
- Configure and upgrade multiple IPTV devices
- IPTV system logging for fast problem resolution



## Software Applications

### Channel Monitor

Monitor the status of IPTV channels on the network.

- Automatic discovery of channels using SAP/SDP
- Real-time view of channel status
- Monitor channel details including bit rate and quality

### 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
- Export/import configuration
- Factory reset
- Configure TFTP server
- Control of individual/multiple receivers to:
  - Change channel
  - Change display mode
  - Change volume

Scheduled configuration/control of the above features

### Logger

Capture IPTV system information for performance and event monitoring

- View detailed logs of server activity
- Control AvediaServer syslog function and view logs from external devices

### Product Feature Manager

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

### System

Monitor and manage the core functions of your 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
- Setup 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 and Single Sign On (SSO) access

## Technical Specifications

### System

- AvediaServer software delivered 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 (supported browsers: Firefox, Internet Explorer and Chrome). Check with support@exterity.com for version information
- SSH terminal access
- Serial RS232 admin port (on c1510 and c1555 platforms)

### Network

- DHCP or static IP addressing

### 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

Each AvediaServer module offers a specific combination of applications, providing organizations with a wide range of features and functionality.

Compatibility		Core Software Modules		
		Director	Producer	Creator
		m7100	m7200	m7300
Platforms	c1510 Hardware Chassis	✓	✓	✓
	c1555 Hardware Chassis	✓	✓	✓
	v1600 Virtual Chassis	✓	✓	✓
Artio Portal Licenses	Artio Desktop artio-dk	✗	✓	✓
	Artio Receiver artio-rx	✗	✓	✓
Specialist Applications	c1510 Hardware Chassis	✗	✓	✓
	c1555 Hardware Chassis	✗	✓	✓
	v1600 Virtual Chassis	✗	✓	✓
Bandwidth Options	100Mbps avsrv-bw-100	✗	✗	✓
	200Mbps avsrv-bw-200	✗	✗	✓
	500 Mbps* avsrv-bw-500	✗	✗	✓

\* note that the 500 Mbps option is only available on the c1555 or v1600 platforms.

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