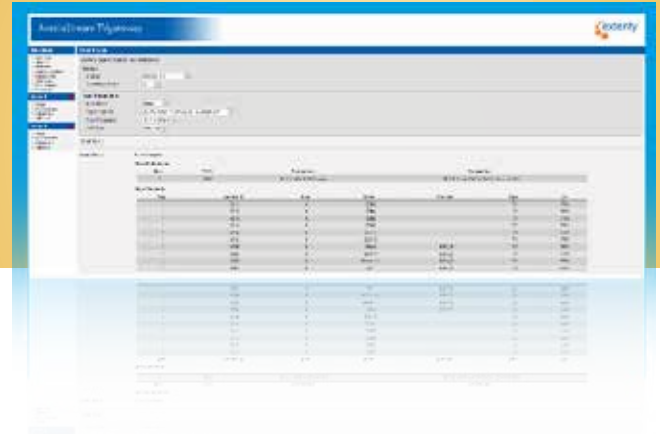


AvediaStream TVgateways



Use AvediaStream TVgateways to distribute live TV and radio over any building, campus, or wide area IP network, without the picture degradation and added expense of a separate cable network solely for TV.



TV and Radio Over the LAN

Unlike competing single-channel encoder based solutions, AvediaStream TVgateways can supply multiple channels at any resolution from a single blade, delivering lower cost and power consumption per channel and easier management.

- Supports widest range of digital TV standards: DVB-T/T2, DVB-C, DVB-S/S2, ATSC, Clear QAM, ASI
- De-scramble encrypted channels using standard CAMs
- Simple to set up and easy to manage, web interface offers extensive control and advanced diagnostics
- Blade/chassis design provides a highly-reliable, modular solution with low power requirements
- Use your choice of industry standard cables, no need for costly proprietary connectors
- More reliable, energy efficient power consumption per channel than PC-based multichannel systems
- Picture quality superior to encoder solutions that require re-encoding of decoded STB output
- Backed by eight years of gateway experience, in use in over 40 countries

Live TV and Radio Over the LAN

AvediaStream TVgateway blades capture live TV and radio to make the channels available to end users over IP network. Each blade can create multiple standard IPTV streams from one of the following sources (channel multiplexes):

- Digital Terrestrial TV (DTTV) aerial (DVB-T/T2 and ATSC blades)
- Digital Satellite TV dish (DVBS/S2 blades)
- Digital Cable TV feed (DVB-C or Clear QAM blades)
- Broadcast-quality equipment via ASI blade

Encrypted channels can be descrambled in select models using standard Conditional Access Modules (CAM).

An AvediaStream chassis can hold any mix of blades, many of which support two channel multiplexes. This means that the largest chassis, with 10 hot swappable slots, can stream all the channels from up to 20 multiplexes. In some countries, such as the UK and Australia, the three-slot chassis can support all available DTT channels in only 1U of rack space.

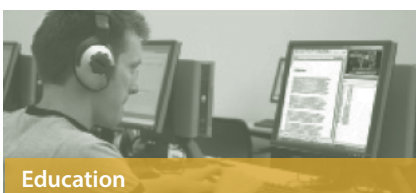
Exterity IPTV Benefits

An AvediaStream TVgateway is one component of an Exterity IPTV solution, which offers a number of important benefits, including:

- Adding and distributing multiple channels to hundreds or thousands of display devices does not degrade picture quality
- More granular control over channel access by user or group than traditional coaxial systems
- Most efficient use of LAN bandwidth via standard multicast technology
- Reduced demand for internet bandwidth. Channels are multicast across the LAN, rather than delivered as multiple high-bandwidth streams through the internet gateway
- Easy integration with a wide range of third party applications and solution to support the needs of many industries such as hospitality, healthcare venues, education transportation and more

See More Impact

Use AvediaStream TVgateways anywhere live TV and radio are required, without the added expense of a separate cable network solely for TV. Organisations across many sectors benefit from enterprise IPTV.



- Provide information, news entertainment and foreign language TV and radio around campus.
- Match TV channels to students' interests and educational needs in student accommodation.



- Show traders the latest live news on screens around the trading floor or on their individual PCs.
- Remotely change public screens to breaking news stories that could affect trading.



- Provide in room choice of local and foreign language TV and radio channels.
- Provide live TV to communal areas such as hotel bars, reception, conference rooms and to staff rooms.

AvediaStream TVgateways											
	g4130	g4150	g4155	g4170	g4190	g4210	g4215	g4230	g4235	g4310	g4315
DVB-C		✓	✓								
DVB-T	✓							✓	✓		
DVB-T2								✓	✓		
DVB-S						✓	✓			✓	✓
DVB-S2						✓	✓			✓	✓
ATSC				✓							
Clear QAM				✓							
ASI					✓						
1 Input			✓		✓		✓		✓		
2 Inputs	✓	✓		✓		✓		✓		✓	✓
CAM			✓				✓		✓		✓

Table 1. TVgateways Comparison Table

To download the latest Technical Specifications for each AvediaStream TVgateways, please visit www.exterity.com.

AvediaStream Chassis

Exterity AvediaStream TVgateway blades must be installed in one of three AvediaStream chassis, which are designed for a wide range of organisational needs and budgets.

All three chassis are hot swap enabled. This allows movement and replacement of the TVgateway blades without the need to power down the entire unit, saving time and avoiding disruption to other IPTV services currently operating in the same chassis.

AvediaStream c1101

Compact unit providing one or two multiplexes (determined by TVgateway blade).

Perfect for smaller installations or organisations requiring specific additional features.



AvediaStream c1110

Our largest and most advanced IPTV chassis supports 10 blades with built-in redundancy.



Redundant power supplies for higher availability.

Hot-swap cooling fans allow replacement without the need to power-down the unit.

Lightweight aluminium chassis for easy installation

4U 19" rack

AvediaStream c1103

Supports three blades with a common power supply.

1U 19" rack



	c1101	c1103	c1110
Hot-swap Fans			✓
Hot-swap PSUs			✓
Redundant PSUs			✓
19" Rack Mountable		✓	✓
Hot-swap Blades	✓	✓	✓
Passive Backplane	✓	✓	✓

To download the latest detailed technical specifications for each AvediaStream chassis, please visit www.exterity.com.

AvediaStream Chassis Monitor

The AvediaStream Chassis Monitor adds hardware monitoring to the Exterity 10 blade chassis (c1110).

- Early warning of issues and changes via SNMP traps
- Integration into IPTV control systems
- Hot swap blade allows quick and non-intrusive upgrade to existing installations using Exterity chassis c1110
- Improves overall IPTV solution reliability
- Visual indication of chassis and blade status via front panel LEDs



Exterity IPTV Solutions

Many Components, One Solution

An Exterity TVgateway is one component of the head end of an Exterity enterprise IPTV solution. When connected to your network it provides a source of live TV channels on your network.

Other components of the head end, AvediaStream Encoders and the AvediaServer platform, can also supply TV and video on the network.

Users can view channels on a standard TV or AV display, a range of PC video clients, networked PCs and Macs via browser and other display devices such as projectors or interactive whiteboards.

Better Network ROI

Increase the return on investment of your IP network by using it to deliver video in addition to other IP services. Make better use of bandwidth investment and avoid capital and operating costs of separate coaxial TV system.

Green IPTV

Lower power costs: Exterity appliance based IPTV products typically use only 15-18W, a small fraction of the 300-400W required by PC based solutions delivering the same functionality.

Lower cooling costs: lower power consumption means cooler operation and less air conditioning required within server rooms.

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Leading IPTV Delivery



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