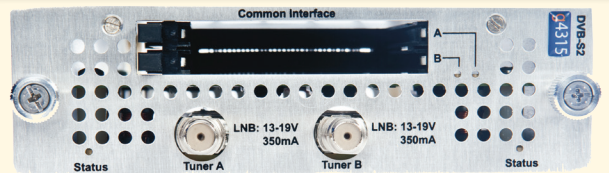
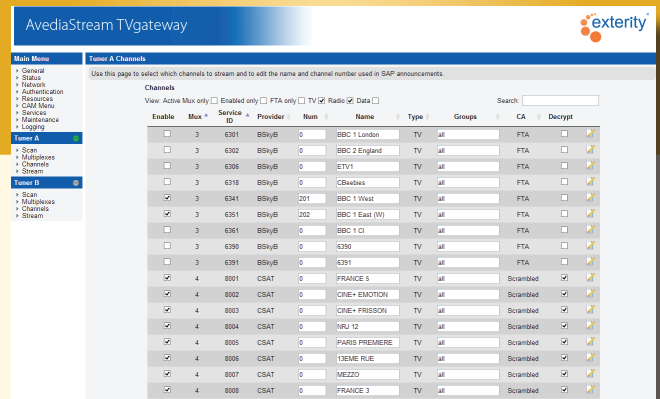


AvediaStream TVgateway g4315



The AvediaStream g4315 TVgateway streams live TV and Radio channels over your existing network. It descrambles and distributes encrypted and free to air TV and Radio content from two DVB-S/S2 satellite sources to an IP network.

- Two DVB-S/S2 tuners per blade for scrambled and free to air TV or radio channels
- Two DVB-CI CA slots for scrambled TV or radio channels
- Streams both SD and HD Channels simultaneously
- Accepts professional third party CA modules for multiple channel descrambling
- Advanced PID filtering for fine-grained control over audio, subtitles and other channel metadata
- Hot swap module allows quick and non-intrusive upgrade to existing installations
- Embedded system for high reliability and low power consumption



Technical Specifications

Interfaces

- Two DVB-S/S2 tuners (75 ohm F-type input connector)
- Two 802.3 10/100BaseT Ethernet (RJ-45 chassis socket)
- Serial RS232 Port for local administration (RJ-45 chassis socket)
- Two DVB-CI interfaces accept commercial and professional third party CAMs
- Supports Mediaguard, Viaccess, Irdeto, Conax, Cryptoworks decrypting and more

Streaming

- Single program MPEG-2 transport streams (ISO/IEC 13818-1)
- RTP
- UDP
- IP multicast
- IP unicast
- IGMP Join Group for enhanced switch compatibility
- Up to 80Mbps total stream output

Channel Management

- Channel announcement via SAP/SDP
- Configurable DVB-S/S2 scanning (basic and advanced modes)
- Supports descrambling of multiple channels
- Stream specific channels from selected multiplexes
- Multicast/unicast address selection (automatic or manual)
- Configure name, number and group membership per channel
- Channel customisation using advanced filtering:
 - Create custom SPTS streams containing elements from any channel on received multiplex
 - Filters on PSI data, table types and PID number
 - Unlimited number of PIDs filtered

Management

- Fully integrated with Exterity management tools
- Network administration via SSH, Telnet and SNMP
- HTTP web interface (supported browsers: Firefox, Internet Explorer (IE8 onwards) and Chrome)
- Serial RS232 Admin Port
- Terminal Control Interface (TCI)
- Event logging via Syslog (local and remote)
- Firmware upgrade via TFTP
- Configuration backup/restore via TFTP

RF Input

Input Frequency Range: 950-2150 MHz
Input Level: -69 to -25 dBm

Support for DiSEqC v1.2
Maximum data rate of 72Mbps per transport stream
Supported Standards: DVB-S & DVB-S2

Signal Modulation / Coding:

DVB-S

- Modulation: QPSK
- Code Rate: 1/2, 2/3, 3/4, 5/6, 7/8
- FEC: Reed Solomon & Viterbi

DVB-S2

- Modulation: QPSK, 8PSK
- Code Rate: 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10
- FEC: LDPC & BCH

System

- CPU: MIPS 4Kc 492MHz
- RAM: 64MB
- Flash: 32MB (for firmware and configuration)
- OS: Linux 2.6

Network

- Linux IPv4 stack
- DHCP or Static IP addressing
- Two IEEE 802.3u 10/100Mbps MDIX Ethernet

Protocols

IP (RFC 791), UDP (RFC 768), TCP (RFC 793), ARP (RFC 826), DNS (RFC 1035), DHCP (RFC 2131), ICMP (RFC 792), IGMP v3 (RFC 3376), TFTP (RFC 1350), HTTP (RFC 2616), Telnet (RFC 318) Syslog (RFC 3164), NTP (RFC 1305), SAP (RFC 2974), SDP (RFC 4566), RTP (RFC 3550), RTSP (RFC 2362), SNMP (v1, v2c -RFC 1901)

Regulatory

CE:

- IEC 60950-1:2005 (Second Edition), Am 1: 2009
- EN55022:2010, EN55024:1998 + A1:2001, A2:2003,
- EN61000-4-2: 1995 + A1 + A2, EN61000-4-3: 1996 (tested i.a.w. EN6100-4-3: 2006 + A1 + A2), EN61000-4-4: 1995, (tested i.a.w. EN6100-4-4: 2004 + A1), EN61000-4-6: 1996 (tested i.a.w. EN6100-4-6: 2009)

UL/CSA:

- CAN/CSA C22.2 No. 0-M, CAN/CSA C22.2 No. 60950-1-07, UL 60950-1, 2nd Edition
- 47CFR: 2008 Part 15, Sub Part B, ANSI C63-4: 2003

Environment

- Operating: 0 ...+40°C / +32 ... +104°F
- Storage: -20 ...+70°C / -4 ... +158°F
- Operating and storage Relative Humidity: 10-90% (non-condensing)

Physical Format

Modular hot swap blade for Exterity chassis

- AvediaStream c1101 providing 2 input
- AvediaStream c1103 providing up to 6 inputs
- AvediaStream c1110 providing up to 20 inputs

Dimensions

L: 275mm x W: 130mm x H: 40mm

Power

DC 24V: 14W Typical, 17W Maximum (Not including LNBs or CAMs)

Weight

0.54kg

AvediaStream TV Gateways

	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. TVgateway Comparison Table

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

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