

# AvediaStream g4170

The AvediaStream g4170 TVgateway streams live TV and radio to make channels available to end-users over your building or campus IP network (LAN).

- A terrestrial TV antenna (ATSC) supplies the signal to the TVgateway
- Supports multiple SD and HD broadcasted channels
- Hot-swap capability for quick, non-intrusive upgrades
- Easy setup



## Technical Specifications

### Inputs

Input Frequency Range: 57 to 887 MHz  
Input Level: -80 dBm (Typ) -78 dBm (Max)

### Signal Modulation /Coding

Modulation: 8VSB  
Symbol rate: 10.762238 Msym/s  
FEC: Reed Solomon & Viterbi

### Supported Standards

ATSC

### Control User Interface

Stream specific channels from ATSC multiplex  
Automatic or manual multicast address selection  
Configure name, number, group membership per channel  
Optional forwarding of EPG, EIT and other services  
Stream on boot

### Channel Streaming

Multicast/Unicast Single program MPEG-TS over UDP/RTP  
Up to 80Mbps output per blade  
Max Bit Rate per SPTS Stream: 35Mbps  
Max Number of PIDs: Unlimited  
Channel announcement using SAP/SDP

### Network Interface

802.3u Fast Ethernet, 100Mbps full duplex

### Network Protocols

TCP, UDP, DHCP (client), IGMP

### Management

SNMP, TFTP, HTTP  
Web management interface  
Serial console port

### Physical Characteristics

Tuners per Blade: 2  
Hot-swap Blade: Yes  
Weight of Blade: 0.6Kg  
Input Connectors: 2 x F type 75 ohm

### Chassis Options

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

### Power Consumption

15W Typical (18W Max)

For more information on our TVgateway solutions please refer to:

- TVgateway Family Product Brochure
- TVgateway Technical Specifications Datasheets g4130, g4135, g4150, g4155, g4190, g4210, g4215, g4230 and g4235
- Chassis Technical Specifications Datasheets c1101, c1103 and c1110

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