VIDx 1800PT ASI-IP Gateway

Perfect Video over IP

The VIDx 1800PT gateway bridges Gigabit Ethernet and ASI digital video over private IP network s . With gigabit line-rate throughput, it is ideal for interconnecting cable hubs.

Throughput

Transmit hundreds of MPEG programs across a single Gigabit Ethernet link

With it's high throughput Intel Network Processor, a VIDx gateway can process up to a gigabit of programming. This simple adaptation ensures that your network capacity is used as efficiently as possible.

Transparency

The VIDx design allows the gateway to perform as a long and dedicate coax cable

Designed as a transitional device, the VIDx 1800 gateway passes your MPEG SPTS and MPTS without interference throughout your network. It effectively cuts costs by allowing you treat your IP network as a long and reliable extension of your coax environment.

Low Latency

With fast clock acquisition, and minimal buffering, the VIDx 1800 ensures that programs arrive with optimal low delay

The signal is acquired, locked, and quickly delivered to corresponding receivers with confidence, ensuring that your programs are always available. The result is a near emulation of a direct coaxial cable.

Simple

All management interfaces are designed to ensure minimal work for the operator

The VIDx interfaces, including: web, snmp and front panel, have been developed with leading MSOs to maximize operator comfort and provide useful feedback in 24/7 operations.

Focused

The VIDx 1800 gateways offer transparent delivery of MPEG transport streams without the complex overhead of progam processing and multiplexing

The VIDx 1800 is optimized for high throughput delivery of programs in a dense 1RU package. This simplicity allows operators to remain confident in the wide area network transmission of programs, common in headend and hub architecture.

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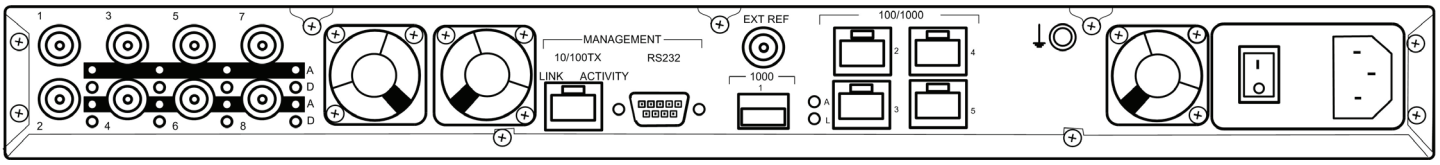
Specifications: 12/23/2008

Rear Panel*



**AC model shown, DC available*

Digital Video Interfaces

Type:	DVB-ASI (output)
Number of ports:	Software licensable with 1 to 8 ports
Connector:	Female BNC
Formats:	MPEG-2 transport stream carrying MPEG-2, MPEG-4 (H.264) or VC-1 compressed video
Bitrate:	960 Mbps total 2—20 Mbps per program up to 213 Mbps per ASI port

Network Interfaces

Type:	Five Gigabit Ethernet ports (only one port can be configured at a time); Ports 3, 4, and 5 are not supported
Connector:	SFP module (1000Base-SFP on Port 1) RJ-45 copper (10/100/1000BASE-T on Port 2); Ports 3, 4, and 5 are not supported
Protocols:	IEEE802.3 Ethernet, RTP, ARP, IPv4, IGMP v2/3, TCP/UDP
Bitrate:	960 Mbps Maximum

Processing

Clock Recovery:	Patent-pending fast and adaptive clock acquisition and synchronization. Smart buffer for protection against network jitter (up to 250 ms). Precise PCR re-stamping.
MPEG-2 Mapping	Supports RTP/UDP/IP and UDP/IP encapsulation
Processing Capacity	IP de-encapsulation of up to 8 MPEG-2 SPTS or MPTS

Path 1 continuously improves its product line and reserves the right to change product specifications without prior notice. Please contact Path 1 for the most recent product documentation.

Control and Management

Type:	10/100 Fast Ethernet
Connector:	RJ-45
Protocols:	SNMP, FTP, Telnet, HTTP
Features:	HTTP Web Interface; SNMP w/ traps for integration into Network Management System
Configuration Interface:	1 RS232 (male DB-9) serial interface

Front Panel

Display:	2 lines by 24 characters
Interface:	12 numeric and 5 navigational keys
Indicators:	4 LEDS: power, activity, fault, log

Chassis Specifications

Rack Size:	1 RU
Height:	1.75 inches
Width:	17.25 inches
Depth:	17.5 inches
Weight:	17 pounds
Input Voltage:	100—240 VAC, 50-60 Hz, 0.5 Amps -48V DC *optional*

Environmental Specifications

Operating Temperature:	32° to 131° F (0° to 50° C)
Operating Humidity:	10% to 95% non-condensing
Storage Temperature:	14° to 158° F (-10° to 70° C)
Certifications:	CE, UL and FCC certified, RoHS compliant

Configuration:

ASI to IP	VIDx 18**01**PT
IP to ASI	VIDx 18**10**PT

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