

Perfect Video over IP



The Cx1020 transports real-time broadcast-quality SDI (SMPTE 259M) digital video over public and private IP networks.

Replicaster™

Transmit programs to many destinations without relying on a multicast enabled network

By enabling the Replicaster™ feature of the Cx1020, you can reach multiple destinations cost effectively. Though the Cx1020 supports IGMP (multicast), Replicaster™ allows you to reduce costs by providing a program to several receivers over unicast networks.

ClearPath™

An enhanced IP interface ensures the greatest reliability and simplest integration into your broadcast transmission network

ClearPath™ features Path 1's original proprietary Forward Error Correction(FEC) that enables transport of programs over the Internet or any IP network. In addition, smart packet pacing and unique transmission format allow your IT department or broadcast engineering staff to deploy new programs securely in a variety of networks.

Low Latency

With fast clock acquisition, the Cx1020 is an ideal candidate for backhaul applications when integrated with a traditional video router

The signal is acquired, locked, forward error corrected and delivered to corresponding receivers with confidence, ensuring your backhaul is always ready, while minimizing unsuitable latency between studio and venue.

Simple

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

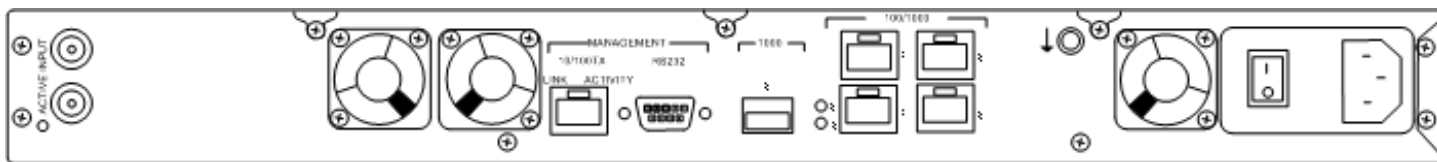
The Cx interfaces, including: web, snmp and front panel, have been developed with leading broadcasters to maximize operator comfort and provide useful feedback in mission critical applications.

Reputation

Our Cx gateway is recommended by top broadcasters and service providers around the globe

As a leader in SDI over IP transmission, Path 1 has the unique experience of providing gateways for backhaul applications around the world. Path 1's demonstrated ability to adapt to challenging broadcast environments and deliver perfect video has placed the Cx product as a leader in SDI/IP technology.

Rear Panel*



*AC model shown, DC available

Digital Video Interfaces

- Input Port Type: DVB-ASI (EN 50083-9), SDI (SMPTE 259M) or SDTI (SMPTE 305M)
- Output Port Type: DVB-ASI (EN 50083-9), SDI (SMPTE 259M) or SDTI (SMPTE 305M)
- Connector: Female BNC
- Bitrate: ASI: Up to 213 Mbps
SDI/SDTI: 270 Mbps

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 (10/100/1000-BASE-T on Port 2); Ports 3, 4, and 5 are not supported
- Protocols: IEEE802.3 Ethernet, RTP, ARP, IPv4, IGMP v2/3, TCP/UDP, ClearPath
- Bitrate: 960 Mbps maximum

Processing

- Clock Recovery: Patent-pending fast, adaptive clock acquisition and synchronization
- Forward Error Correction (FEC): Path 1 ClearPath supporting two methods of FEC operation: Double and Partial FEC.
- Multicast Support: Supports Multicast send and receive using IGMP version 2

Control and Management

- Type: One 10/100 Fast Ethernet interface
- Connector: RJ-45
- Protocols: SNMP, FTP, Telnet, HTTP
- Features: HTTP Web Interface; SNMP w/ traps for integration into Network Management System.
- Configuration Interface: One 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: 1RU
- Height: 1.75 inches
- Width: 17.25 inches
- Depth: 17.5 inches
- Weight: 17 pounds

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

Electrical

- Input Voltage: 100—240 VAC, 50-60 Hz
0.5 Amps
- 48V DC optional

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.