CXQ-4
Transport Stream Converter
High Density ASI to TSoIP Converter/Gateway

TRANSPORT STREAM CONVERTER

DTV Innovations is now offering its latest innovation, the **CXQ-4**. With more and more Transport Streams being pushed through IT networks, there's now a growing need to convert DVB-ASI to TSoIP in an even higher-density implementation.

The **CXQ-4** contains up to four quad Transport Stream interface modules (CXQ-4-4, CXQ-4-8, CXQ-4-12, and CXQ-4-16). Each interface module converts four Asynchronous Serial Interface (DVB-ASI) Transport Streams to Transport Streams over IP streams (TSoIP) and outputs the four IP streams on 1, 2, 3, or 4 Ethernet connectors (corresponding to the number of input modules.

It complies with both the DVB and SMPTE2022 standards. The TSoIP interface supports Transport stream encapsulation and forward error correction as defined by the SMPTE 2022 specification.

The **CXQ-4** provides a total of up to four (4) Ethernet outputs, each containing up to 4 TSoIP transport streams making it an ideal and cost-effective multi-channel ASI to IP gateway.

Features List

✓ Accepts 4, 8, 12, or 16 DVB-ASI Transport Streams

✓ Up to four independent Quad interface modules in 1 RU chassis

✓ Web Server User Interface for configuration and monitoring

✓ SNMP remote monitoring

✓ Forward Error Correction (FEC) – SMPTE 2022

✓ Encapsulation – UDP or RTP

✓ IPv6 & Source Specific Multicast are supported

✓ Dual Power Supplies for failsafe Operation

✓ Field Upgradable & Factory Expandable

✓ Ethernet - IEEE 802.3ab RJ-45 with LEDs 100/1000 Auto Sense

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INTERFACE SPECIFICATIONS

ASI

- Connector: BNC 75 ohm
- Data Rate to: 270 Mbps +/- 10ppm in, +/-3ppm out
- Logic Levels: 800mV +/-10%
- Data Rate: Accuracy: 3ppm

SMPTE 2022

- Transport stream encapsulation UDP or RTP
- Transport stream packet size 188 or 204 bytes
- TS packet / IP packet 1-7
- FEC Size: L : 1-20
- FEC Size: D : 4-20
- FEC Size: LxD : 4 -100

Network

- Four 100/1000 Base-TX Ethernet Ports (RJ-45)
- Web-Server user interface
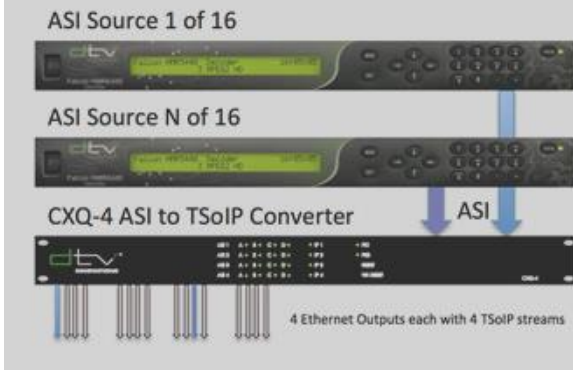- User Interface – IP Configuration
- SNMP remote monitoring

ELECTRICAL SPECIFICATIONS

- Maximum Power: 35W
- Supply voltage range: 85-264 VAC/47-63HZ
- Power Plug: IEC-C-19
- Cooling Fan Capacity: 6CFM back exhaust

PHYSICAL SPECIFICATIONS

- Height: 1.75 inches (44.45mm) 1RU
- Width: 19 inches (482.6mm)
- Depth: 14 inches (355.6mm)
- Weight: 3.5 lbs (1.59kg)

Sample Application: Converting DVB-ASI output of a satellite/off-air receiver to TSoIP

ASI Source 1 of 16

ASI Source N of 16

CXQ-4 ASI to TSoIP Converter

4 Ethernet Outputs each with 4 TSoIP streams

Made In The USA

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