

9780MUX-IPGE-ASI

Compact ASI/IP Re/De-Multiplexer



Flexible Solution

The 9780MUX-IPGE-ASI is part of the 9780 FR platform. A complete, flexible solution to concurrently demux and remux up to 4x IP and ASI inputs across 4x IP and ASI outputs. Flexible, supporting multiple input types including SPTS, MPTS, ASI, IP and Unicast/Multicast addressing.

Controlled by the industry leading VistaLINK® PRO CSM, the 9780 Multiplexer offers grooming and re-multiplexing of pre-encoded content in a new single or multi program transport stream ready to be broadcast across DVB-S, DVB-T, DVB-C and IPTV networks. The platform is enabled with Service, Socket, Port and Device level redundancy when paired with VLPRO CSM NMS.

Advanced Stream Processing

The 9780 Multiplexer supports advanced stream processing capabilities such as Program and PID remapping, DVB/ATSC table generation and per program bitrate limiting to stop over bitrate inputs from disrupting groomed outputs.

Inband Metadata Insertion

When paired with VLPRO CSM NMS, the 9780 Multiplexer can also support inband metadata insertion directly into a private PID. Downstream devices can receive this PID and process accordingly. Applications can vary from inband firmware upgrade or data tags.

► Features & Benefits

- Program grooming and re/de-multiplexing with PID filtering
- Program and PID remapping
- Re-mux engine core with:
 - 4x SPTS/MPTS ASI inputs
 - 4x SPTS/MPTS ASI outputs
 - 4x SPTS/MPTS IP inputs
 - 4x SPTS/MPTS IP outputs
- Output TS bitrate configuration
- Per program bitrate limiting
- Inband metadata insertion to private PID*
- Internal TSM-Lite per stream: TS loss, CC, Bitrate
- Auto fail-over to the redundant incoming Transport via VLPRO CSM NMS
- 1:1, GbE Port and Socket redundancy via VLPRO CSM NMS
- 1:1, M:N Unit Redundancy via VLPRO CSM NMS

► Specifications

Inputs & Outputs

2x Gbe Ethernet data ports RJ45
4x ASI inputs per TR 101 891
Min ASI Bitrate: 100Kb/s per input
Max ASI Bitrate: 213Mb/s per input
4x ASI outputs per TR 101 891
Min ASI Bitrate: 100Kb/s per output
Max ASI Bitrate: 100Mb/s per output*

Re-Muxing Engine

Input format: MPTS or SPTS, VBR or CBR
Output format: MPTS or SPTS, CBR (configurable bitrate)

Processing

- Program/PID grooming/filtering
- Local generation of DVB/ATSC tables
- Per program bitrate limiting
- Inband metadata insertion*

Encapsulation Parameters

- IP encapsulation: MAC802.3>IPV4>UDP>MPEG
- Destination IP Address (Unicast and Multicast)
- Destination UDP port
- Source UDP port

De-encapsulation Parameters

- Source IP Address (Unicast and Multicast)
- Destination IP Address (Unicast and Multicast)
- Join Multicast by providing correct messaging using IGMP
- Selection of the input format
- Selection of the UDP Ports
- Auto fail-over to redundant address, service, socket, port and device via VLPRO CSM NMS

Configuration & MGMT

- 1x Gbe Ethernet control port RJ45
- SNMP control and monitoring via VLPRO

Electrical

Input Voltage: Auto ranging 100 – 240VAC
Power: Up to 120W
EMI/RFI: Complies with FCC regulations for class-A devices
Complies with EU EMC directive

Physical

Dimensions: 19"W x 1.75"H x 18.75" D
Weight: 17lbs. (7.7kg)



► Ordering Information

9780MUX-IPGE-ASI Compact IP/ASI Transport Stream Multiplexer

* Contact factory for additional details