

MUXIP-10GE-v52-2RU

High Density IP Re/De-Multiplexer



The MUXIP-10GE is a complete, flexible solution to concurrently demux and remux up to 128x IP inputs across 128x IP outputs.

Flexible, supporting multiple inputs types including SPTS, MPTS, and Unicast/Multicast addressing.

Controlled by the industry leading VistaLINK® PRO CSM, the MUXIP-10GE 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.

The MUXIP-10GE 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.

When paired with VLPRO CSM NMS, the MUXIP-10GE 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 and PID remapping
- Re-mux engine core with:
- 128x SPTS/MPTS IP inputs
- 128x 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, Port and Socket redundancy via VLPRO CSM NMS
- 1:1, M:N Unit Redundancy via VLPRO CSM NMS
- 128 IP input/output sockets
- 2 Gbe RJ45 data ports
- 2 10Gbe SFP inputs
- Support Multicast and Unicast applications
- Support MPTS and SPTS applications
- Support CBR and VBR applications
- Support per program bitrate limiting
- Support metadata insertion to private PID*
- Integrated with all Evertz products
- Easily managed with Evertz's VLPRO CSM NMS
- High resilience with dual power supply

►Specifications

Inputs & Outputs:

- 2x Gbe Ethernet data ports RJ45
- 2x10GE data ports (SFP)

Re-Muxing Engine:

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

Processing:

- Program/PIDgrooming/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-capsulation Parameters:

- Source IP Address (Unicast and Multicast)
- DestinationIPAddress(UnicastandMulticast)
- 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
- Integrated HTTP web server

Electrical:

Power: 920W

►Ordering Information

MUXIP-10GE-2RU-V52 2RU High Density IP Re/De-Multiplexer

Supported SFPs

SFP1G-TR13 SFP Optical Transceiver, 1.25Gbs, 1310nm, SMF, 20km
SFP1G-TR15S SFP Optical Transceiver, 1.25Gbs, 1550nm, SMF, 40km
SFP1G-TR15H SFP Optical Transceiver, 1.25Gbs, 1550nm, SMF, 80km
SFP10G-TR13-A SFP+ Optical Transceiver, 10Gbs, 1310nm, SMF, 10Km
SFP10G-TR15S SFP+ Optical Transceiver, 10Gbs, 1550nm, SMF, 40Km