7881MUX–LITE–IP

Modular IP Multiplexer

The **7881MUX–LITE–IP** is a complete, flexible solution to concurrently demux and remux up to 16x SPTS/MPTS IP inputs across 16x SPTS/MPTS IP outputs. Support is available for multiple input types, including SPTS, MPTS and unicast/multicast addressing.

Controlled by the industry–leading **VistaLINK® PRO CSM**, the 7881MUX–LITE–IP 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 7881MUX–LITE–IP 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 VistaLINK® PRO CSM NMS, the 7881MUX–LITE–IP can also support in–band metadata insertion directly into a private PID. Downstream devices can receive this PID and process accordingly. Applications can vary from in–band firmware upgrade or data tags.

Features & Benefits
- Output TS bitrate configuration
- Internal TSM–Lite per stream: TS loss, CC, bitrate
- Automatic failover to the redundant incoming Transport via VistaLINK® PRO CSM NMS
- VLANs, VLAN tagging (passing or adding) for all 4x DATA ports
- Integrated with all Evertz products and easily managed with VistaLINK® PRO CSM NMS

AV SOLUTIONS

CONTRIBUTION & DISTRIBUTION

CONTROL, MONITORING

ENCODING, TRANSCODING, & MULTIPLEXING

FACILITY LINK, FIBER TRANSPORT

INFRASTRUCTURE & CONVERSION

IP SOLUTIONS

LIVE MEDIA PRODUCTION

MEDIA ASSET MANAGEMENT & PLAYOUT

MULTIVIEWERS

RF SOLUTIONS

ROUTERS

WAN TRANSPORT

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Specifications

Inputs & Outputs:
- 3x GbE data ports, RJ–45
- 1x 1GbE data input port (SFP)

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
- In–band metadata insertion *

Encapsulation Parameters:
- IP encapsulation: MAC802.3 > IPV4 > UDP > MPEG
- Destination IP address (unicast and multicast)
- Destination UDP port
- Source UDP port

Decapsulation 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

Configuration & Management:
- 1x GbE control port, RJ–45
- SNMP control and monitoring via VistaLINK® PRO

Electrical:
Power: 48W

Physical:
Number of Slots: 2

Ordering Information

7881MUX–LITE–IP	Modular IP Transport Stream Transport multiplexer with IP inputs/outputs, 4x RJ–45 ports, 1x SFP cage; supports up to 16x MPTS/SPTS inputs/outputs

Rear Plate Suffix:

+3RU	3RU rear plate for 350FR, 7800FR and 7801FR multiframes

Enclosures & Front Control Panel: *(note: 7801FC is required for 1RU IRD configuration)*

350FR	Portable multiframe, holds 7x single–slot modules
7800FR	3RU multiframe, holds 15x single–slot modules
7801FR	1RU multiframe, holds 4x single–slot modules

SFP Interface Options:

SFPTR–RJ45–SGM–AV	SFP module for 10/100/1000 interface ports
SFP1G–TR13	SFP optical transceiver, 1.25Gbs, 1310nm, SMF, 20km