

# 7881MUX-LITE-IP

Modular IP Multiplexer

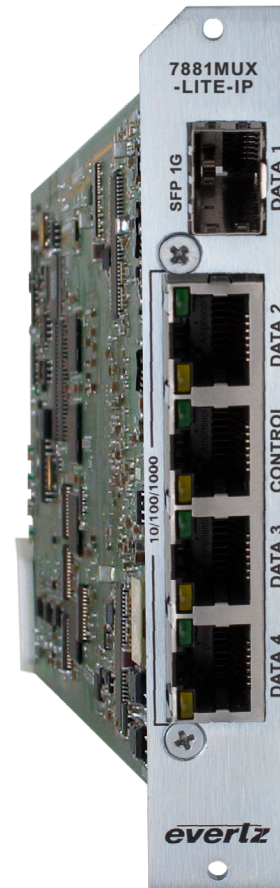


The **7881MUX-LITE-IP** is a complete, flexible solution to concurrently demux and remux up to 16x SPTS/MPTS IP inputs across 16x SPTS/MPTS IP outputs. Support is available for multiple input types, including SPTS, MPTS and unicast/multicast addressing.

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

# 7881MUX-LITE-IP

## Modular IP Multiplexer



### 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 multiframe

#### 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

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