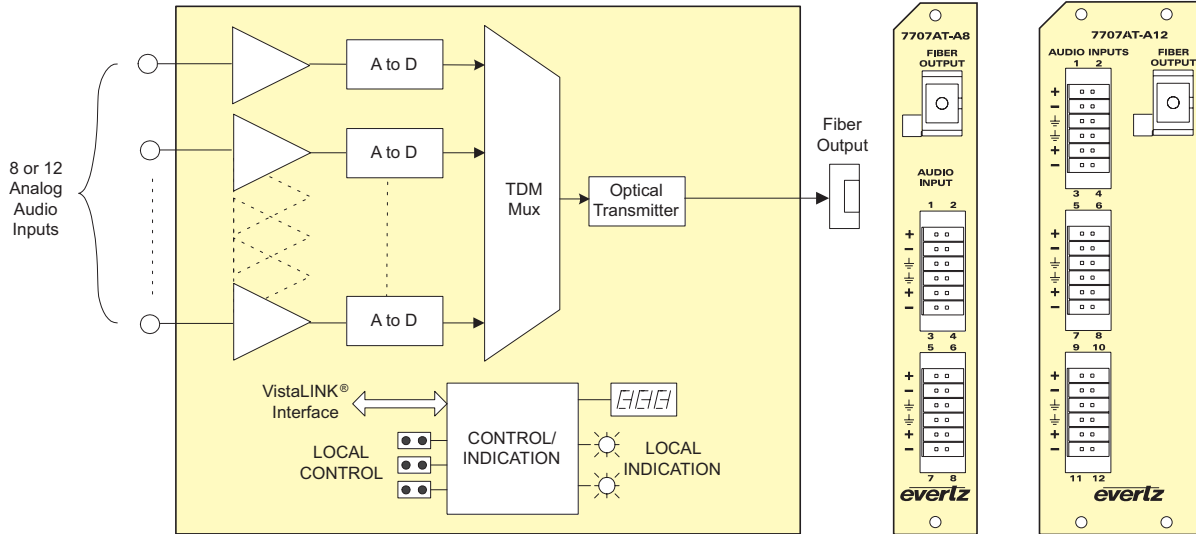## ▶Features & Benefits

- Eight or twelve professional quality analog audio fiber optic transmitter
- Adjustable audio detection for each channel
- Audio monitoring via card-edge headphone jack with adjustable volume
- All configuration settings controllable through the card-edge user interface, or remotely through SNMP and VistaLINK®
- Optical output wavelengths of 1310nm, 1550nm, and up to sixteen CWDM wavelengths (ITU-T G.694.2 compliant)
- DWDM wavelengths also available (ITU-T G.694.1 compliant)

- Supports single-mode and multi-mode fiber optic cable (contact factory for multi-mode applications)
- SC/PC, ST/PC, or FC/PC fiber connector options
- Fully hot-swappable from front of frame
- Comprehensive signal and card status monitoring via four digit card edge display or remotely through SNMP and VistaLINK®
- VistaLINK® capability is available when modules are used with the 3RU 7800FR or 350FR frame and a 7700FC VistaLINK® Frame Controller module in slot 1 of the frame

▶Specifications

Analog Audio Inputs:

Number of Inputs:
7707AT-A8:	8
7707AT-A12:	12

Connectors: Multi-pin Removable Terminal Blocks
Input Level: +24dBu (max)
Frequency Response:
  ±0.1dB (max, 20Hz to 20kHz)
THD + Noise: -90dB or 0.003% (max, 20Hz to 20kHz, @ 0dBFS)
Crosstalk: -100dB (max, 20Hz to 20kHz, measured channel connected at input)
S/N Ratio: 100dB (min)
Channel Phase: ±0.5° (max, 20Hz to 20kHz)
Input Impedance: 10kΩ (min, differential)
Resolution: 24 Bits

Optical Output:

Connector: SC/PC, ST/PC, FC/PC female housing
Output Wavelengths:
  See Ordering Information
Output Power:
  1310nm FP (Standard):
    -7dBm (nom) ±1dBm
  CWDM DFB: 0dBm (nom) ±1dBm
  DWDM DFB: +7dBm (nom) ±1dBm

Electrical:

Voltage: 12V DC
Power:
7707AT-A8:
  Non DWDM Laser:
    8W (max)
  DWDM Laser: 10W (max)
7707AT-A12:
  Non DWDM Laser:
    10W (max)
  DWDM Laser: 12W (max)

Physical (number of slots):

350FR, 7700FR-C, 7800FR:
7707AT-A8:	1 slot
7707AT-A12:	2 slots

Compliance:

Laser Safety: Class 1 laser product
  Complies with 24 CFR 1040.10 and 1040.11
  IEC 60825-1
EMI/RFI: Complies with FCC Part 15, Class A
  EU EMC Directive

▶Ordering Information

7707AT13-A8	Eight channel Analog Audio Fiber Transmitter Mux, 1310nm FP, VistaLINK®
7707AT15-A8	Eight channel Analog Audio Fiber Transmitter Mux, 1550nm DFB, VistaLINK®
7707AT13-A12	Twelve channel Analog Audio Fiber Transmitter Mux, 1310nm FP, VistaLINK®
7707AT15-A12	Twelve channel Analog Audio Fiber Transmitter Mux, 1550nm DFB, VistaLINK®

For CWDM, please refer to the end of the fiber section for ordering information
7707ATxx-A8	Eight channel Analog Audio Fiber Transmitter Mux, CWDM wavelength
7707ATxx-A12	Twelve channel Analog Audio Mux Fiber Transmitter, CWDM wavelength

For DWDM, please refer to the end of the fiber section for ordering information
7707ATDxxx-A8	Eight channel Analog Audio Mux Fiber Transmitter, DWDM wavelength
7707ATDxxx-A12	Twelve channel Analog Audio Mux Fiber Transmitter, DWDM wavelength

Ordering Options   Rear Plate and Fiber Connector must be specified at time of order
Eg: Model +SC +3RU

Rear Plate Suffix
+3RU	3RU Rear Plate for use with 350FR, 7700FR-C or 7800FR Multiframe
+1RU	1RU Rear Plate for use with 7701FR Multiframe
+SA	Standalone Enclosure Rear Plate

Connector Suffix
+SC	SC/PC
+ST	ST/PC
+FC	FC/PC

Accessories
Fiber Optic Patch Cable
See CWDM & DWDM Ordering Information Page

Enclosures
350FR	3RU Portable Multiframe which holds up to 7 single slot modules
7700FR-C	3RU Multiframe which holds up to 15 single slot modules
7800FR	3RU Multiframe which holds up to 15 single slot modules
7801FR	1RU Multiframe which holds up to 4 single or 2 dual slot modules
7701FR	1RU Multiframe which holds up to 3 single or dual slot modules
S7701FR	Standalone Enclosure