

7890T1E1-8-DS3E3-2-IP

8 x T1/E1 and 2 x DS3/E3 IP Access Gateway

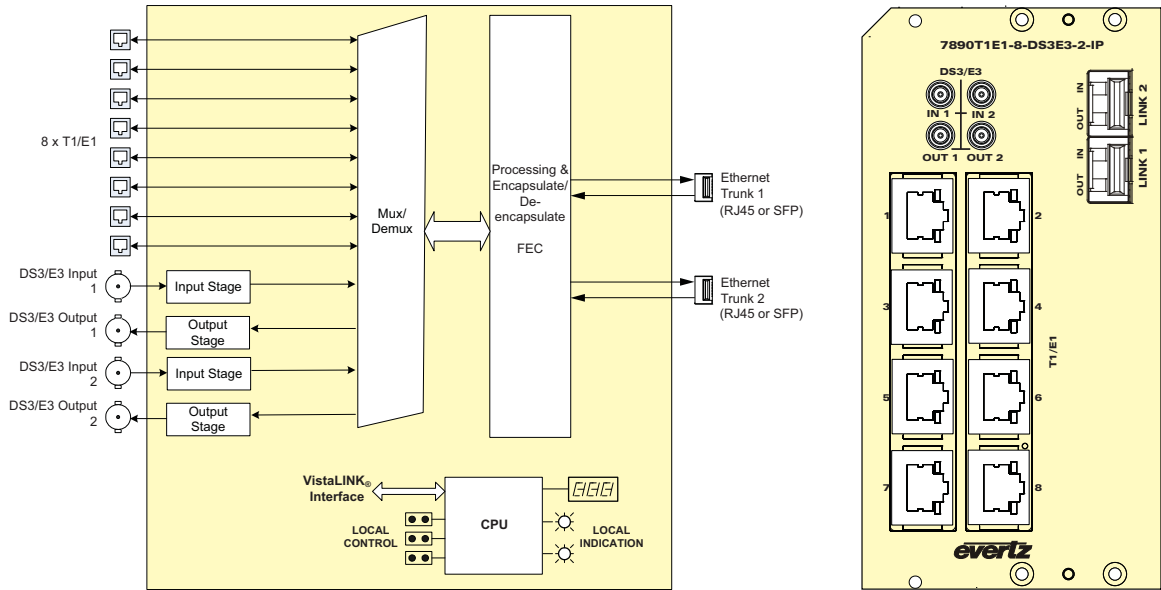


The 7890T1E1-8-DS3E3-2-IP is part of the Evertz family of gateway products, which unlock the potential of IP networks for video and data transport. The proliferation of carrier-grade IP networks and their associated capacity, flexibility and cost make them an attractive solution for modern video transport networks. Evertz gateway products facilitate the bridge between video and IP worlds, providing the extensive capability, control & monitoring, resilience and low latency demanded by video content creators and transport service providers.

The 7890T1E1-8-DS3E3-2-IP is an IP gateway used for transport DS3/E3 and T1/E1 telecom signals over IP networks. The 7890T1E1-8-DS3E3-2-IP can add Forward Error Correction (FEC) on the Ethernet link which combats packet loss for error-free service. The 7890T1E1-8-DS3E3-2-IP also facilitates connection to redundant IP trunks and provides automatic switching between a pair of IP links.

Features & Benefits

- Can add Forward Error Correction to mitigate packet loss
- Facilitate redundant Ethernet Links and automatic switching for maximum resilience on critical signals
- High-density solution for up to eight T1/E1 signals and two DS3/E3 signals
- RJ45 and SFP ports are provided on the Ethernet trunk, allowing copper or fiber connection
- Fully hot-swappable from the front of the frame without de-cabling
- 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 7700FC and 3700FC VistaLINK® Frame Controller module in slot 1 of the frame



Specifications

T1/E1 Input/Output: Standard: G.703 Connector: 8 RJ45 Cable Requirements: 0.63mm (22 AWG) cable up to 1000m	Ethernet Trunk Link: Connector: 2 SFP Standard: 802.3ab (1000baseTX) FEC encoding: SMPTE2022-1 Encapsulation: SMPTE2022-2 (ASI signals only) Optical: Number: 2 SFP ports Connector: Female Duplex LC/UPC (on SFP) Transmit Wavelengths: SFPTR-13: 1310nm SFPTR-15: 1550nm SFPTR-Cxx: 1270-1610nm Receive Wavelengths: 1270-1610nm Optical Output Power: SFPTR-13: -2 +/- 1dBm SFPTR-15: +3 +/- 1dBm SFPTR-Cxx: +3 +/- 1dBm Receive Sensitivity: -21 dB	Electrical: Voltage: +12V DC Power: 24W Compliance: Safety: CSA Listed to CSA C22.2 No. 60065-03, UL 60065-03, IEC 60065-(2001-12) 7th Edition, Complies with CE Low voltage Directive 93/68/EEC EMI/RFI: Complies with FCC regulations for class A devices Complies with EU EMC directive 89/336/EEC
DS3/E3 Input/Output: Standard: G.703 DS3@44.736Mb/s and E3@34.368Mb/s Connector: Mini DIN Impedance: 75Ω Input Equalization: Automatic to 300m with Belden 8281 or equivalent cable Return loss: > 20dB up to 44Mb/s	Physical (number of slots): 3700FR: 3 7800FR: 3	

Ordering Information

7890T1E1-8-DS3E3-2-IP 8 x T1/E1 and 2 x DS3/E3 IP Access Gateway

Ordering Options Rear Plate and must be specified at time of order (Eg. Model +3RU)

Rear Plate Suffix +3RU 3RU Rear Plate for use with 350FR, 7700FR-C or 7800FR Multiframe

SFP Optical Transceiver Ordering Options, for use in Trunk Ethernet SFP Ports
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SFP for Ethernet or Optical Link
SFPTR-13 SFP Transceiver, 1310nm, standard sensitivity receiver, supports rates up to 3Gb/s

SFPTR-Cxx SFP Transceiver, CWDM, standard sensitivity receiver, supports rates up to 3Gb/s
SFPTR-RJ45-SGM-AV 10/100/1000 Mbps RJ45 SFP module with SGMII interface
SFPTR-RJ45 3Com - SFP (mini-GBIC) Transceiver Module - 1000Base-T - Plug-in Module

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

Enclosures
3700FR 6RU frame, includes one 3000PS power supply
7800FR 3RU Multiframe which holds up to 15 single slot modules

