

770800-2-10G

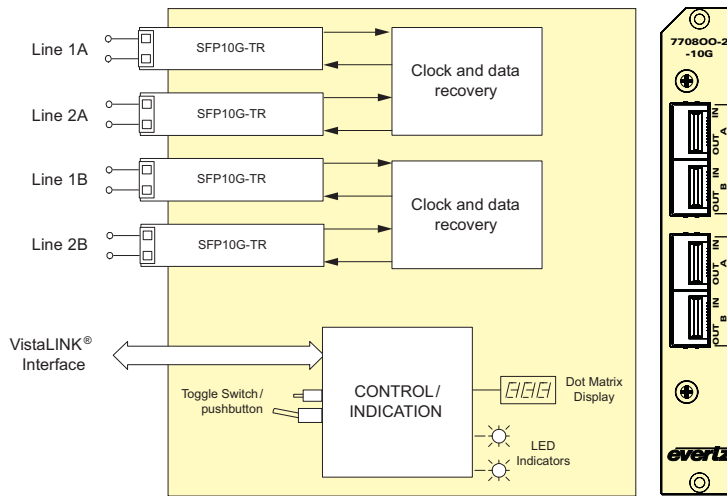
Dual 10 Gig Optical to Optical Wavelength Shifter/Regenerator/Transponder

The 770800-2-10G is an optical to optical wavelength shifter/regenerator/transponder for 10 Gig Ethernet telecom/datacom signals. The card provides a high-density solution for dual regenerator paths in a single slot card. Utilizing

compact SFP+ optical technology, wavelengths and laser/receiver types can be selected to satisfy many applications and easily reconfigured for different system requirements over time.

Features & Benefits

- Provides clock and data recovery for 10 Gig Ethernet signals
- Dual regeneration paths on a single-slot card provide a high-density solution
- Economical means to provide wavelength shifting for 10 Gig signals for inclusion into CWDM and DWDM multiplexing systems
- Economical means to provide signal regeneration or increased laser power and receiver sensitivity to extend signals over long distances
- Modular SFP+ provide for simple configuration and reconfiguration to accommodate the requirements of different optical infrastructures or transport applications
- Provides an ideal demarcation and point of monitoring between internal facility infrastructure and external transport links
- ITU G694.2, 8 channel CWDM spectrum available (1470-1610nm)
- ITU G694.1, 40 channel C-Band DWDM spectrum available (ch. 20-59)
- Fully hot-swappable from the front of the frame without decabling at the rear
- 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 a 350FR frame and a 7700FC VistaLINK® Frame Controller module in slot 1 of the frame



SFP Modules

SFP Model	Wavelength	Optical Output Power		Receiver Sensitivity	Nominal Received Wavelength	Max Distance	Fiber Type
		MAX	MIN				
SFP10G-TR85-A	850nm	-1dBm	-6.5dBm	-11dBm	850nm	300m*	Multimode
SFP10G-TR13-A	1310nm	+0.5dBm	-8.5dBm	-14dBm	1310nm	10km	Singlemode
SFP10G-TR15S	1550nm	+4dBm	-5dBm	-15dBm	1270-1610nm	40km	Singlemode
SFP10G-TR15H	1550nm	+3dBm	0dBm	-24dBm	1270-1610nm	80km	Singlemode
SFP10G-TRCxxH	CWDM	+3dBm	0dBm	-24dBm	1270-1610nm	70/80km**	Singlemode
SFP10G-TRDxxxH	DWDM	+3dBm	-1dBm	-24dBm	1270-1610nm	80km	Singlemode

* On 2000MHz/km MMF, consult Evertz® for max distance on other multimode fiber types
 ** 70km for 1590nm and 1610nm wavelengths

Specifications

Optical Input/Output:	Physical (number of slots):	Compliance:
Number: 4 SFP+ cages (one input/output per SFP+)	350FR: 1 7800FR: 1	Laser Safety: Class 1 laser product, complies with 24CFR 1040.10 and 1040.11, IEC 60825-1
Connector Type: LC/UPC, two simplex or one duplex per SFP+	7801FR: 1	EMI/RFI: Complies with FCC regulations for class A devices Complies with EU EMC directive
Rates: 10 Gig Ethernet		
Electrical:		
Voltage: +12 VDC		
Power: 6 Watts		

Ordering Information

770800-2-10G	Dual optical to optical wavelength shifter/regenerator/transponder for 10 Gig Ethernet signals (SFP+ optics not included), VistaLINK®	SFP10G-TRCxxH	SFP+ Optical Transceiver, 10Gbs, CWDM, SMF, 70/80Km
Ordering Options	Rear plate must be specified at time of order (Eg: Model+SC+3RU)	<i>For DWDM applications please refer to the end of the fiber section for ordering information.</i>	
SFP+ Options		SFP10G-TRDxxxH	SFP+ Optical Transceiver, 10Gbs, DWDM, SMF, 80Km
SFP10G-TR85-A	SFP+ Optical Transceiver, 10Gbs, 850nm, MMF	Rear Plate Suffix	
SFP10G-TR13-A	SFP+ Optical Transceiver, 10Gbs, 1310nm, SMF, 10Km	+3RU	3RU Rear Plate for use with 7801FR, 350FR, 7700FR-C or 7800FR Multiframe
SFP10G-TR15S	SFP+ Optical Transceiver, 10Gbs, 1550nm, SMF, 40Km	Enclosures	
SFP10G-TR15H	SFP+ Optical Transceiver, 10Gbs, 1550nm, SMF, 80Km	350FR	3RU Portable Multiframe which holds up to 7 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 module

For CWDM applications please refer to the end of the fiber section for ordering information. 1470, 1490, 1510, 1530, 1570, 1590 and 1610nm wavelengths available