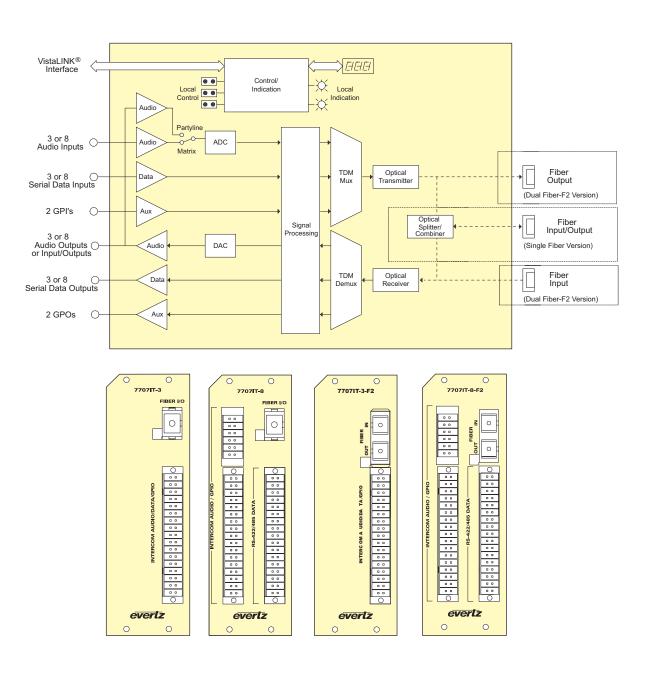
Features & Benefits

- \bullet Extends up to 3 or 8 independent channels of intercom communication over a single fiber optic link
- Configurable interface to:
- RTS-Telex Matrix: 4-Wire Audio, RS-485 Data, GPIO
- ClearCom Matrix: 4-Wire Audio, RS-422 Data, GPIO
- RTS-Telex Party-Line: 2-Wire Audio, GPIO
- ClearCom Party-line: 2-Wire Audio, GPIO
- Note: Does not perform conversion between 2-Wire and 4-Wire systems
- · Independent channels can simultaneously accommodate different intercom types
- User-friendly selection of intercom interfaces via programmed profiles
- All configurations and adjustments are controllable through the card-edge user interface or remotely via SNMP and VistaLINK[®] -capable capability
- Selectable termination, and failsafe bias settings for RS-422/485 data inputs
- Provides 2 general-purpose inputs (GPIs), and 2 general purpose outputs (GPOs)

- 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
- Optical output wavelengths of 1310nm, 1550nm, and up to sixteen CWDM wavelengths (ITU-T G.694.2 compliant)
- DWDM wavelengths (ITU-T G.694.1 compliant) also available
- Compatible with single-mode and multi-mode fiber optic cable (dual fiber version)
- · Fully hot-swappable from front of frame
- Occupies two card slots and is housed in a 1RU frame which will hold up to 3 modules, a 3RU frame which will hold up to 7 modules, 3RU portable frame that holds up to 3 modules or a standalone frame which will hold 1 module





7707IT-3, 7707IT-8 Multi-Channel Intercomn Fiber Transceivers



Analog Audio:

Analog Audio:			
Balanced/Matrix Type Audio			
Number of Signals:	umber of Signals:		
7707IT-3:	3 inputs, 3 outputs		
7707IT-8:	8 inputs, 8 outputs		
Type:	Analog Audio, Balanced		
Industry Standards:	ClearCom, RTS-Telex		
Connector:	Multi-pin removable terminal block		
Input Impedance:	> 10kΩ		
Output Impedance:	66Ω		
Signal Resolution:	24-bit		
Sampling Rate:	52.7kHz		
Frequency Response:			
	20Hz to 20kHz		
Gain Flatness:	±2dB		
Input Level (max):	+20dBu		
Output Level (max):			
Into 10KW	+20dBu		
Into 600W	+19dBu		
Signal/Noise Ratio:	> 90dB		
THD:	< 0.01%		
Crosstalk:	< -80dB		
Controllable Gain:	-10dB to +10dB		

Unbalanced/Party-Line Type Audio:

Number of Signals		
7707IT-3:	3	
7707IT-8:	8	
Type:	Analog Audio, Full-duplex, Unbalanced	
	ClearCom, RTS-Telex	
Connector:	Multi-pin removable terminal block	
Signal Coupling:	AC coupled (accommodates 30V 'wet'	
Signal Coupling.	inputs)	
Duidaina konsedenses		
Bridging Impedance:		
Signal Resolution:		
	52.7kHz	
Sidetone Null:	> 25dB	
Sidetone Null Range:		
	100Ω to 300Ω load	
Frequency Respons	se:	
	120Hz to 20kHz	
Gain Flatness:	±2dB	
Input Level(max):	+5dBu	
Output Level(max):	+5dBu (into 200W load)	
Signal/Noise Ratio:	> 75dB	
THD:	< 0.1%	
Crosstalk:	< -60dB	
Controllable Gain:	-5dB to +5dB (into 200W load)	
Receive Signaling:	4V DC min (ClearCom), 20kHz	
	±500Hz (RTS)	
Send Signaling:	11V DC min (ClearCom), 20kHz	
	±100Hz (RTS)	

Serial Data: RS-422 /RS-485 Type Data Number of Signals: 7707IT-3: 3 7707IT-8: 8 Connector: Signal Type: Input Termination: Multi-pin removable terminal block RS-485 or RS-422 (selectable) 120Ω or Open (selectable) Input Failsafe Bias: 200mV (3.3mA into 60Ω) or none (selectable) Bit Rate: RS485: Compatible with all Telex RS485 rates RS-422: 460kb/s Optical Input/Output: Number: 1 (Standard and -W Single Fiber Version) 2 (-F2 Dual Fiber Version) Connector at Frame: SC/PC, ST/PC, FC/PC female housing Input Wavelength: 1270nm to 1610nm Max. Input Power: 0dBm Output Wavelengths: Standard: .. 1310nm, 1550nm (nominal) CWDM: 1270nm to 1610nm (ITU-T G.694.2 compliant) C-Band (ITU-T G.694.1 compliant) DWDM: Output Power: 1310nm FP: -7dBm ±1dBm 1310nm (-W): -1dBm ±1dBm 1550nm, CDWM (DFB): 0dBm ± 1dBm DWDM (DFB): +7dBm ± 1dBm Optical Sensitivity: WDM (-w version) -26dBm -28dBm Standard:

General Purpose Outputs (GPO): Number of Signals: 2 Outputs

Connector: Multi-pin removable terminal block Output Type: Dry contact relay closure, normally open Output Current (min): 100mA

General Purpose Inputs (GPI):				
Number of Signals:	Number of Signals: 2 Inputs			
Connector:	Multi-pin removable terminal block			
Type:	Opto-isolated, Active low			
GPI Input Voltage:	GPI Input Voltage:			
Safe Voltage Rang	ge:			
0	-20V to +10V			
On Condition (max	On Condition (max):			
	< +2.5V(active low)			
Off Condition (min):				
	>+3.5V			
GPI Input Current (min):			
	1mA			
GPI Input Current (max):			
	10mA (internally limited)			
Electrical:				
Voltage(type):	12V DC (nominal frame voltage)			
Power(max):	7707IT-3 (Non DWDM) = 7W			
	7707IT-3 (DWDM) = 9W			
	7707IT-8 (Non DWDM) = 18W			
	7707IT-8 (DWDM) = 20W			
Divisional (number of plate):				
Physical (number o 350EB				
000111	2			
7700FR-C:	2			

Phys

2

350FR:	
7700FR-C:	
7800FR:	

Compliance: Laser Safety:

EMI/RFI:

Class 1 laser product Complies with 24 CFR 1040.10 and 1040.11 IEC 60825-1 Complies with FCC Part 15, Class A EU EMC directive

Ordering Information

7707IT13M-3-W	3 Channel Intercom Fiber Transceiver, single fiber, WDM, 1310nm FP TX, RX on 1550nm	Ordering Options	Rear Plate and Fiber Connector must be specified at time of order Eg. Model +3RU +SC
7707IT15-3-W	3 Channel Intercom Fiber Transceiver, single fiber, WDM, 1550nm DFB TX, RX on 1310nm	Rear Plate Suffix	
7707IT13-3-F2	3 Channel Intercom Fiber Transceiver, dual fiber, 1310nm FP TX & RX	+3RU	3RU Rear Plate for use with 350FR, 7700FR-C or 7800FR Multiframe
7707IT13M-8-W	8 Channel Intercom Fiber Transceiver, single fiber, WDM,	+1RU	1RU Rear Plate for use with 7701FR Multiframe
	1310nm FP TX, RX on 1550nm	+SA	Standalone enclosure rear plate
7707IT15-8-W	8 Channel Intercom Fiber Transceiver, single fiber, WDM,		
	1550nm DFB TX, RX on 1310nm	Connector Suffix	
7707IT13-8-F2	8 Channel Intercom Fiber Transceiver, dual fiber, 1310nm FP TX & RX	+SC	SC/PC
-		+ST	ST/PC
	e refer to the end of the fiber section for ordering information	+FC	FC/PC
7707ITxx-3-F2	3 Channel Intercom Fiber Transceiver, dual fiber, CWDM TX, VistaLINK®		
7707ITxx-8-F2	8 Channel Intercom Fiber Transceiver, dual fiber, CWDM TX, VistaLINK®	Enclosures	
	a set on the two diefs the fillence actions for and arises informations	350FR 7700FR-C	3RU Portable Multiframe which holds up to 7 single slot modules
	e refer to the end of the fiber section for ordering information		3RU Multiframe which holds up to 15 single slot modules
	3 Channel Intercom Fiber Transceiver, dual fiber, DWDM TX, VistaLINK [®] 8 Channel Intercom Fiber Transceiver, dual fiber, DWDM TX, VistaLINK [®]	7800FR 7801FR	3RU Multiframe which holds up to 15 single slot modules 1RU Multiframe which holds up to 4 single or 2 dual slot modules
//U/IIDXX-0-F2		7701FR	1RU Multiframe which holds up to 3 single or dual slot modules
		S7701FR	Standalone Enclosure