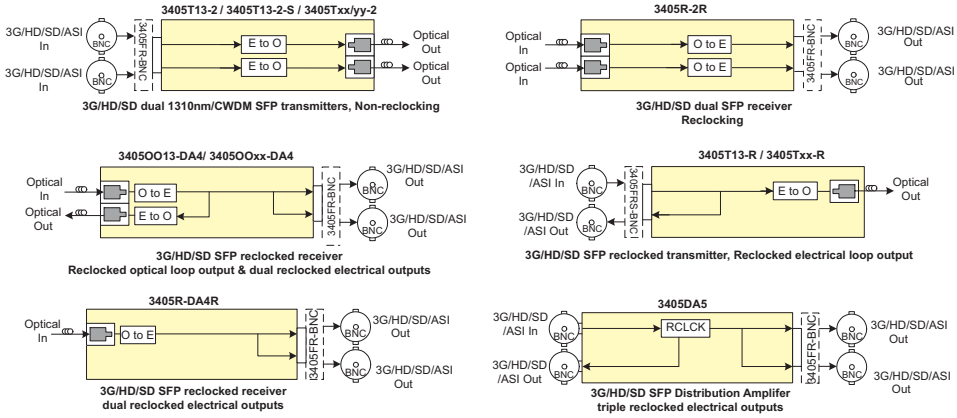
3505FR-64-BNC2

SFP Options



The Evertz® 3505FR-64-BNC2 SFP frame is the ideal solution for today's low cost, high density fiber optic distribution needs. The 3505FR-64-BNC2 provides the flexibility to handle the high-speed requirements of 3G and HDTV as well as SD-SDI, SDTi, and DVB-ASI.

All components are hot swappable through the front of the frame including SFPs, frame controllers and power supplies. This ensures the unit can be fully serviceable in the field without having to be de-cabled or removed from the rack.

The 3505FR-64-BNC2 is a 2RU frame designed to house up to 64 Evertz® SFP modules. This provides up to 64 EO or 64 OE in two units of space. The frame can be configured for a mixture of transmit, receive and distribution modules. See SFP options above.

The 3505FR-64-BNC2 is VistaLINK® -capable with support for primary and secondary frame controllers.

The 3505FR-64-BNC2 frame comes with a single power supply and fan module. Frame controllers, redundant power supply and SFP's are must be ordered separately.

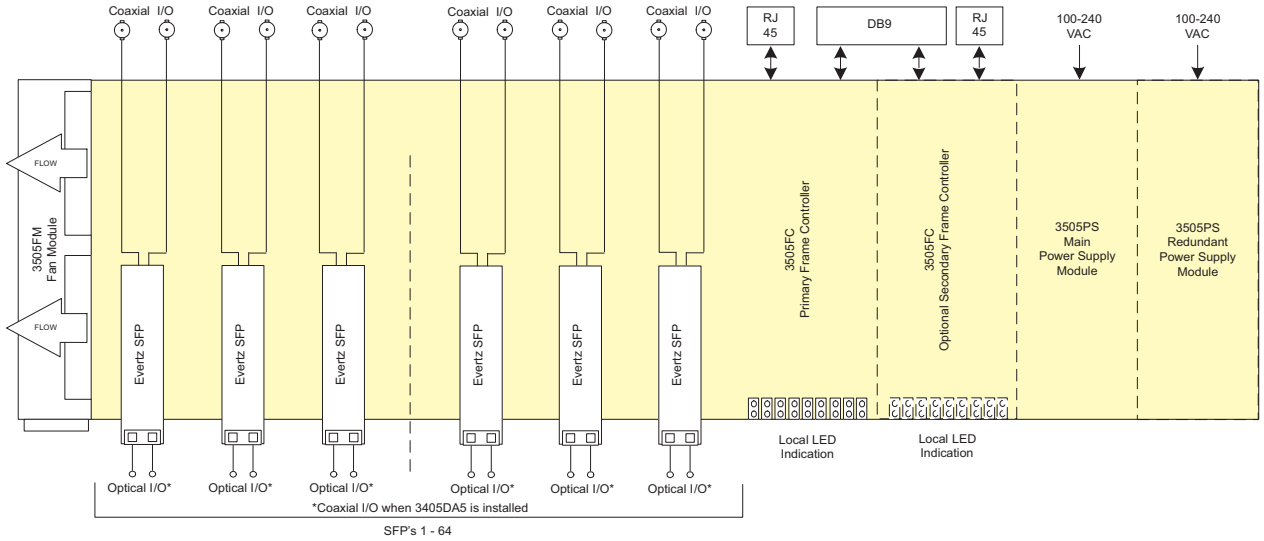
Features & Benefits

- Dual Power supplies (primary and redundant) are available
- Houses up to 64 front loading Evertz® 3405 SFP modules
- Each slot can be used as an input or output based on SFP type
- Dual primary & secondary 3505FC Frame Controllers for full VistaLINK® SNMP control and monitoring are available
- No electrical re-cabling required when hot swapping SFP modules
- The industry's highest density optical conversion platform with up to 64 EO or 64 OE or (for any combination thereof) in 2RU

The Complete Solution Provider

3505FR-64-BNC2

High Density Fiber Optic SFP BNC Frame



Specifications (Note: Electrical input & output specs only apply to reclocking SFP modules)

System:

Density:	Up to 64 EO, OE, or mixture of EO and OE in a 2RU unit
Impedance:	75Ω

Communication and Control:

Serial:	RS-232 - single Female 9-pin D connector
Ethernet:	SNMP over IEEE 802.3/U (10/100 BaseTx) RJ45 connector for M&C
Control:	VistaLINK®/SNMP

Optical Output:

Number of Outputs:	Up to 2 per SFP
Connector:	LC/UPC
Optical Power:	
Standard:	-2dBm +/-1dBm
-S (Short haul):	-7dBm+/-1dBm
CWDM:	+3.5dBm +/-1dBm
Wavelength:	
Standard & -S:	1310nm
CWDM:	1270nm-1610nm ITU-T G.694.2 compliant

Optical Input:

Number of Inputs:	Up to 2 per SFP
Connector:	LC/UPC
Operating Wavelength:	1270nm to 1610nm
Maximum Input Power:	
Standard:	-1dBm
Optical Sensitivity:	
Standard:	-21dBm at 2.97Gb/s pathological Level A -23dBm at 2.97Gb/s color bars

Electrical Inputs:

Reclocked Standard:	SMPTE 424M (3 Gb/s), ST 292-1 (1.5Gb/s), SMPTE 259M (270Mb/s), DVB-ASI
Connector::	BNC Per IEC 61169-8 Annex A
Equalization:	Automatic to 80m @ 3 Gb/s 100m@ 1.5Gb/s 250m @ 270Mb/s (with Belden 1694A or equivalent)
Return Loss:	> 15dB up to 1.5GHz > 10dB up to 3GHz

Electrical Outputs:

Connector:	BNC per IEC 61169-8 Annex A
Impedance:	75Ω (nominal)
Signal Level:	800mV (nominal)
DC Offset:	0V +/-0.5V
Rise and Fall Time (Reclocked SFP's only):	
	<135ps (HD/3G)
	< 900ps (SD)
Overshoot(Reclocked SFP's only)	
	< 10% of amplitude
Return Loss:	>15dB to 1.5GHz
	>10dB to 3GHz
Alignment Jitter(Reclocked SFP's only):	
	< 0.2UI (Reclocked) to 1.485Gb/s
	< 0.3UI (Reclocked) to 2.97Gb/s

Electrical:

AC Input:	Auto-ranging, 100-240VAC, 50/60Hz
Power:	200W max
Connector:	IEC 320 - 1 per power supply

Physical:

Dimensions:	3.5"H x 19"W x 5.5"D
Module Capacity:	64 Evertz 3405 or 3505 SFP's

Ordering Information

3505FR-64-BNC2	High Density Fiber Optic SFP BNC Frame

NOTE: Multimode applications require a 5dB optical attenuator at the output of all transmitting ports. Contact factory for all multimode applications.

Ordering Options:

+35PS	Redundant power supply

Accessories:

3505FC	SNMP Frame Controller
3505FM	Spare/replacement fan module
J/LC/LC/ATTEN-5DB	5dB optical attenuator. Required for multimode applications
3505PS	Spare/replacement power supply module

Evertz SFP modules:

3405T13-2-S	3G/HD/SD dual 1310nm SFP transmitters. Non-reclocking. (Low optical power for short haul, interfacility, and multimode applications)
3405T13-2	3G/HD/SD dual 1310nm SFP transmitters. Non-reclocking
3405Txx/yy-2	3G/HD/SD dual CWDM SFP transmitters. Non-reclocking
3405R-2R	3G/HD/SD dual SFP receiver reclocking
3405T13-R	3G/HD/SD Reclocked SFP transmitter. Reclocked electrical loop output
3405OO13-DA4	3G/HD/SD Reclocked SFP receiver. Reclocked optical loop output and dual reclocked electrical outputs
3405R-DA4R	3G/HD/SD SFP Reclocked receiver, dual reclocked electrical outputs
3405OOxx-DA4	3G/HD/SD Reclocked SFP receiver, reclocked CWDM optical loop output and dual reclocked electrical outputs
3405DA5	3G/HD/SD Distribution Amplifier, triple reclocked electrical outputs

Note: xx versions include the following, 27,29,31,33,35,37,43,45,47,49,51,53,55,57,59,61
Note: xx/yy versions include the following, 27/29, 31/33, 35/37, 43/45 - Low Band
47/49, 51/53, 55/57, 59/61 - High Band