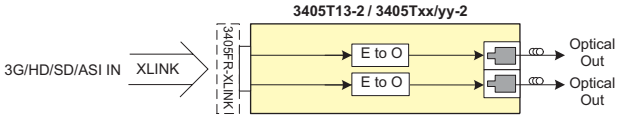
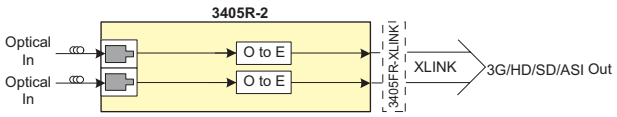
3405FR-XLINK

SFP Options



3G/HD/SD dual 1310nm/CWDM SFP transmitters, Non-reclocking



3G/HD/SD dual SFP receiver, Non-reclocking

The Evertz® 3405FR-XLINK frame is the ideal solution for today's low cost, high density fiber optic distribution needs for X-LINK/fiber connectivity.

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

The 3405FR-XLINK is a 1RU frame designed to house up to 16 Evertz® SFP modules. This provides up to 32 EO or 32 OE in a single rack unit of space to connect X-LINK to optics, or optics back to X-LINK.

The 3405FR-XLINK can be powered by external power bricks or with the 3405PS-6. The 3405PS-6 can power up to 6 x 3405FR-XLINK frames with primary & secondary power.

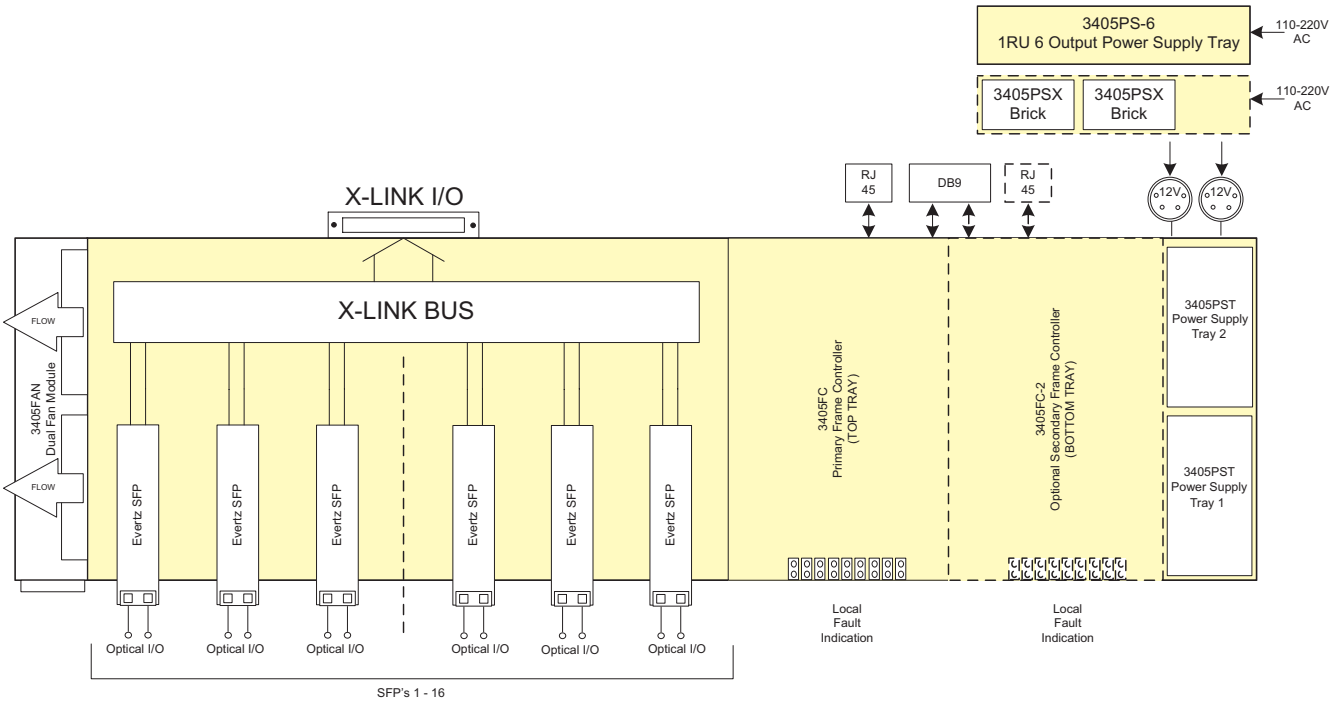
The 3405FR-XLINK is VistaLINK® -capable with support for primary and secondary frame controller.

The 3405FR-XLINK frame comes with a 3405FAN fan module and 2 x 3405PT power trays. SFPs, frame controllers and power supply modules must be ordered separately. Please see ordering information.

Features & Benefits

- Dual Power supplies (primary and redundant) and conversion trays (front extractable)
- Houses up to 16 front loading Evertz® SFP modules
- Each slot can be used as an input or output based on SFP type
- Dual primary & secondary 3405FC Frame Controllers for full VistaLINK® SNMP control and monitoring
- No electrical re-cabling required when hot swapping SFP modules
- Power options include external 12V power supply bricks or 1RU power supply tray which will power up to 6 x 3405FR-XLINK units with redundancy

The Complete Solution Provider



Specifications

System:
Density: Up to 32 EO, OE, or mixture of EO and OE to X-LINK conversion in a 1RU unit
Impedance: 75Ω
Connector: XLINK

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

Optical Output:
Number of Outputs: 2 per SFP
Connector: LC/UPC
Rise/Fall Time: <270ps
Optical Power: -1dBm ±1dBm
Wavelength: 1310nm

Optical Input:
Number of Inputs: 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

3405PSX External Power Supply Brick:
AC Mains Input: Auto ranging, 100 - 240 VAC, 50/60 Hz
Number of Outputs: 1
Output Voltage: 12V DC
Output Connector: 4 PIN XLR
Max Power Dissipation: 120 W
Status Indicators: Green OK LED

3405PS-6:
AC Mains Input: Auto ranging, 100 - 240 VAC, 50/60 Hz
Number of Outputs: 12 (6 primary, 6 secondary)
Output Voltage: 12VDC
Output Connector: 4 PIN XLR
Max Power Dissipation: 250 W (primary)
250 W (secondary)
Status Indicators: Green OK LED
Red Fault LED

Connector:
Power: 4 PIN XLR (12V DC)
Status Indicators: PSU status LEDs (each per power supply tray)
Fuses: 5 amp, time delay- 1 per power supply tray

Physical:
Dimensions: 1.8"H x 19"W x 4.16"D
Module Capacity: 16 Evertz® SFP modules. Dual TX or Dual RX
Operating Temperature
0-50°C (with 3405FAN installed)
0-30° C (with 3405FAN-Q installed)

Electrical:
Power Supply Configuration:
Dual external supplies (primary/secondary 3405PSX)
1RU Power Supply Tray (3405PS-6)
Voltage: DC Input 12V DC (external power supplies required for 110-220V)
Max Power Consumption:
40W (fully loaded frame with all accessories) Note - power consumption dependent on SFP type

Compliance:
Safety: CSA Listed, Complies with EU Safety Directive
EMC: Complies with FCC part 15, Class A
Complies with EU EMC Directives

Ordering Information

3405FR-XLINK	X-LINK Fiber Optic SFP frame (does not include power supplies, SFPs, or frame controllers)

Note: Order one of the power supply options from below

Ordering Options:
+Q 3405FAN-Q Dual quiet fan option

Power Supplies:
3405PSX External power supply brick
3405PS-6 1RU 6 output power supply tray for 3405FR-XLINK (powers up to 6 units - primary & secondary)

Accessories:
3405FC 3405 Frame controller
3405FC-2 Redundant Frame controller
3405PST Power supply tray
3405FAN 3405FR-XLINK dual FAN module
3405FAN-Q 3405FR-BNC dual quiet FAN module

Evertz SFP modules:
3405T13-2 3G/HD/SD dual 1310nm SFP transmitter. Non-reclocking
3405R-2 3G/HD/SD dual SFP receivers. Non-reclocking