

3405FR

Fiber Optic SFP Frame

3405FR



3405XPS
(+XPS+XPS-2 ordering options)



3405T and 3405R Evertz® SFP Modules

The Evertz® 3405FR SFP frame is the ideal solution for today's low cost, high density fiber optic distribution needs. The 3405FR 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 or back of the frame including SFP's, frame controllers, multiplexers, and power converters. This ensures the unit can be fully serviceable in the field without having to be de-cabled or removed from the customers rack.

The 3405FR is a 1RU frame designed to house up to 16 single or dual channel Evertz® SFP modules. Each module can either be a single or dual Electrical to Optical (EO) converter, or Optical to Electrical (OE) converter. This provides up to 16EO or 16OE with the single SFP's or 32 EO or 32 OE in a single rack unit of space. The frame can be configured for a mixture of modules.

►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

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

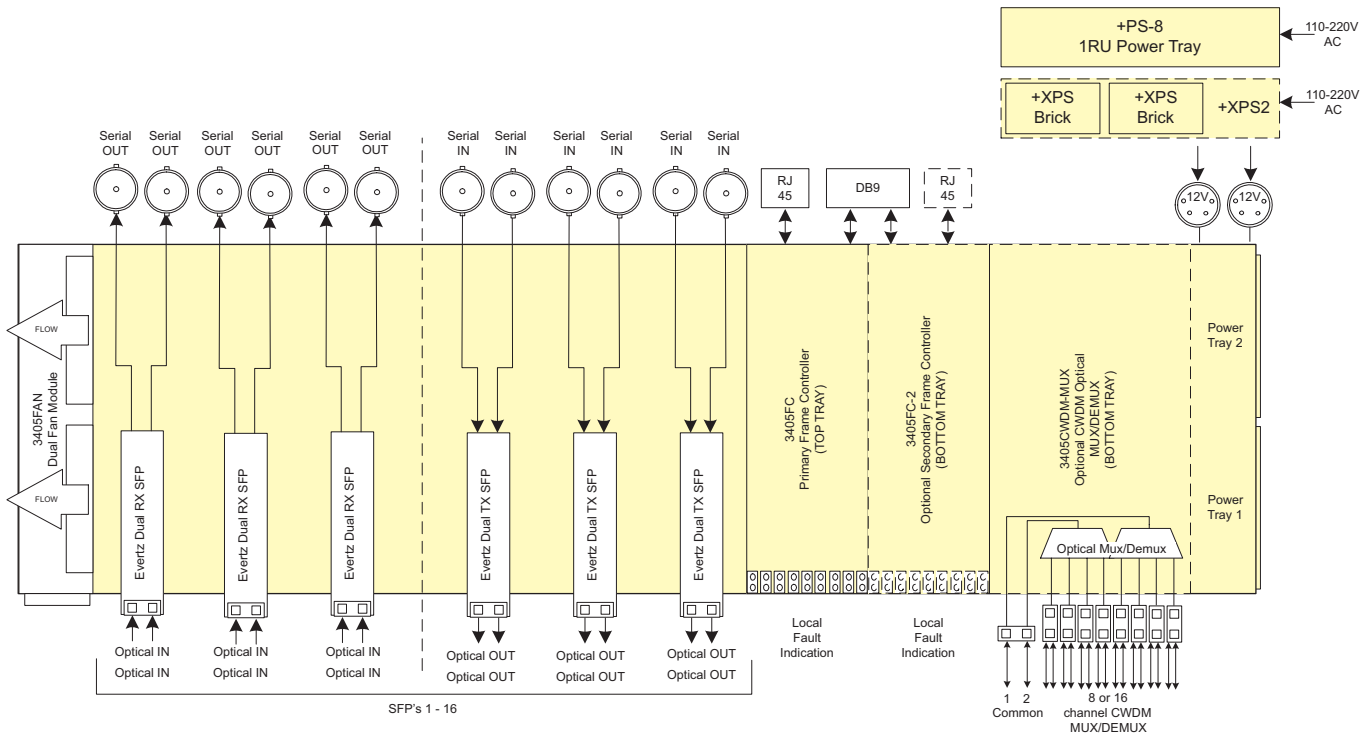
The 3405FR is VistaLINK®-capable with support for primary and secondary frame controller.

The 3405FR frame comes with a 3405FAN fan module and 2 x 3405PT. Frame controllers, power supplies and MUX/DEMUX modules must be ordered separately. Please see ordering information.

- Dual primary & secondary 3405FC Frame Controllers for full VistaLINK® SNMP control and monitoring
- No electrical re-cabling required when hot swapping modules
- Power options include external 12V power supply bricks or 1RU power supply tray which will power up to 6 x 3405FR units with redundancy

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**Note: Optional redundant frame controller (3405FC-2) cannot be used with the 3405 CWD-MUX unit

Specifications

System:

Density: Up to 16 or 32 EO, OE, or mixture of EO and OE in a 1RU unit
Impedance: 75Ω
Connector: BNC per IEC 61169-8 Annex A (F-type connector optional)

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: -2dBm ±1dBm
Wavelength: 1310nm

Optical Input:

Number of Inputs: 2 per SFP
Connector: LC/UPC
Operating Wavelength: 1270nm to 1610nm
Maximum Input Power: -1dBm
Optical Sensitivity: Standard: -19dBm at 2.97Gb/s

Compliance:

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

Physical:

Dimensions: 1.8"H x 19"W x 4.16"D
Module Capacity: 16 Evertz® SFP modules. Dual TX or Dual RX

Electrical:

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

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

3405XPS External Power Supply Brick:

AC Mains Input: Auto ranging, 100 - 240 VAC, 50/60 Hz
Number of Outputs: 1
Output Voltage: 12VDC
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

Ordering Information

3405FR Fiber Optic SFP frame (does not include power supplies or frame controllers)

Note: Order one of the power supply options from below

Ordering Options:

+XPS Single external power supply brick
+XPS-2 Dual external power supply brick
+PS-6 1RU power supply tray for 3405FR (powers up to 6 units - primary & secondary)

Accessories:

3405XPS Redundant external power supply brick
3405PS-6 1RU power supply tray for 3405FR (powers up to 6 units - primary & secondary)

3405FC

3405FC 3405 Frame controller
3405FC-2 Redundant Frame controller
3405PT 3405FR Frame power tray, 12V to 3.3V DC power converter
3405FAN 3405FR dual FAN module

Evertz SFP modules:

3405T13-2 3G/HD/SD dual 1310nm SFP transmitters. Non-reclocking
3405R-2 3G/HD/SD dual SFP receivers. Non-reclocking

Accessories

Fiber Optic Patch Cable
See CWDM & DWDM Ordering Information Page