

FSX Series

FSXpert OTAU 1 x N Optical Switch

Adding value and intelligence to the network.

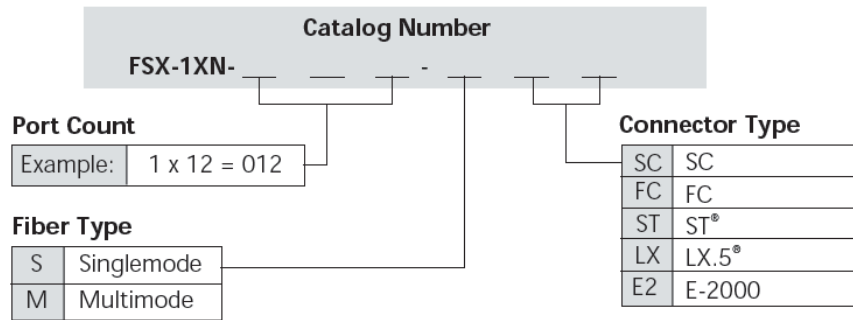
Features

- 1 x N optical switch (N = 4 up to 96)
- Serial and Ethernet remote access
- Low insertion loss
- Connectors exit at an angle to prevent fiber bends
- TL1 interface protocol
- -48 Vdc operation



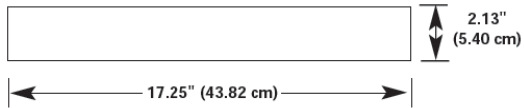
FSXpert OTAU

Ordering Information
OTAU Module



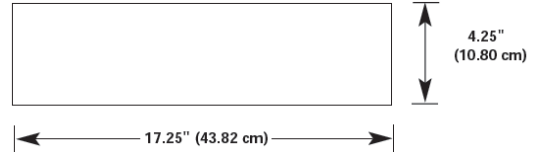
Dimensions

One OTAU slot



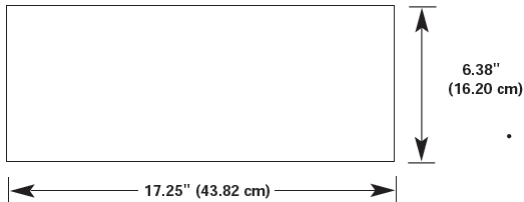
- Up to 24 ports single (standard connectors)
- Up to 48 ports single (small-form-factor – LX.5®)

Two OTAU slots



- Over 24 and up to 48 ports single (standard connectors)
- Over 48 and up to 96 ports single (small-form-factor – LX.5®)
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Three OTAU slots



- Over 48 and up to 72 ports single (standard connectors)

Specifications

ELECTRICAL

Input Voltage: -37 to -60 VDC
Input Current: 110 mA at -37 Vdc maximum
 76 mA at -48 Vdc typical

Mechanical Specification

Rack Compatibility: 7" high chassis (LGX® format)
 8" high chassis (ADC format)
 Per TR-TSY-000081

Packaging:

Electrical Connectors

Input: RS232 25-pin plug
Output: RS232 25-pin receptacle
Power Connector: 7-pin plug (provided)
Frame Ground: Press-fit 6-32 stud
Fiber Optic Connectors: Front mounted SC, FC, ST® , LC, LX.5®, ASC, AFC

Operational Life (Switch Cycles): 10 million cycles

Optical Specification

	Num. of Ports	Typical	Max
Insertion Loss*:	4 to 24	0.8 dB	1.4 dB
	32 to 48	0.9 dB	1.5 dB
Return Loss (SM)*:	4 to 24	55 dB	50 dB
	32 to 48	55 dB	50 dB
Switching Speed:	65 msec maximum for adjacent channels 10 msec maximum for each additional channel		
Repeatability:	0.01 dB typical		
	0.02 dB maximum		
Crosstalk (SM):	Over 100 operations		
Bandpass:	-80 dB maximum 1310 nm, 1550 nm, 1625 nm +/- 20 nm		

Environmental Specification

Temperature

Operating: 0°C to +50°C
Storage: -40°C to +70°C
 (10% to 95% relative humidity)

Agency Compliance

Safety Listing:• UL1459 / CSA22.2 / EN60950 (CE)
EMC: FCC Part 15, Subpart B, Class A, CISPR 22

* Includes connector losses



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