



# 32 Port High Power 1550nm EDFA

## Key Features

- » Uses Er Yb co-doped double-clad fiber technology
- » Output ports: 32
- » Optical output power up to 37dBm and 20 dBm optical output over all 32 ports
- » Low noise figure: <5dB when input is 0dBm
- » Advanced 32 bit processor, with automatic monitoring circuit. Accurately monitors and controls the optical output power and various parameters of the laser, ensures stable optical output power and can effectively extend the working life of the laser.
- » Front panel LCD Status Display shows all status parameters and provides ability to set parameters on the EDFA
- » 2RU standard 19" rackmount cabinet, equipped with standard IEEE802.3 10Base-T Ethernet interface and RS232 interface, for network management monitoring and control console



## Description

The Multicom 32 Port High Power 1550nm Erbium Doped EDFA is a low noise 1550nm optical amplifier designed to amplify 1550nm optical signals to increase the optical transmission distance over fiber, and can be used in conjunction with the Multicom 1550nm optical transmitters.

Equipped with up to 32 output ports, and with low noise and high linearity, this High Power EDFA can be used in the transmission of video, voice and data signals making it the ideal optical amplification solutions for long links, redundant rings, blast and split, and other applications. It offers a flexible and low-cost solution for CATV large area coverage of metropolitan and medium-sized cities.

### MUL-EDFA-V-XX-XX



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# 32 Port High Power 1550nm EDFA

## Product Specifications

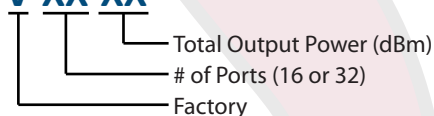
### Technical Specifications

Item	Unit	Technical Parameter	Notes
Operating bandwidth	nm	1545 - 1565	
Optical input power range	dBm	-5 - +10	
Optical power per each port	dBm	20	32 optical output ports
Maximum optical output power	dBm	37 (optional)	Depends on power option purchased
Output power stability	dBm	±0.5	
Noise figure	dB	≤5.0	Optical input power 0dBm, λ=1550nm
Return loss - Input port	dB	≥ 45	
Return loss - Output port	dB	≥ 45	
Optical connector type		SC/APC	
Power supply voltage	V	110V - 240VAC (50/60 Hz)	Hot pluggable, redundant power
Operating temperature range	°C	-10 - +42	14 - 108°F
Max operating/storage relative humidity	%	95	No condensation
Storage temperature range	°C	-30 ~ +70	-22 - 158°F
Dimensions	mm	483 (L) x 440 (W) x 88 (H)	19in L x 17.3in W x 3.5in H

### Model # and Power

Model #	Total Output Power (dBm)	Output Ports	Output Power per Port (dBm)
MUL-EDFA-V-16-29	29	16	15
MUL-EDFA-V-16-30	30	16	16
MUL-EDFA-V-16-31	31	16	17
MUL-EDFA-V-16-32	32	16	18
MUL-EDFA-V-16-33	33	16	19
MUL-EDFA-V-16-34	34	16	20
MUL-EDFA-V-16-35	35	16	21
MUL-EDFA-V-16-36	36	16	22
MUL-EDFA-V-32-33	33	32	16
MUL-EDFA-V-32-34	34	32	17
MUL-EDFA-V-32-35	35	32	18
MUL-EDFA-V-32-36	36	32	19
MUL-EDFA-V-32-37	37	32	20

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