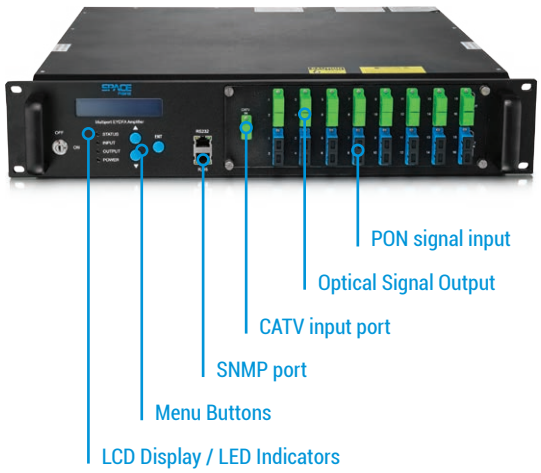
SPACE FIBRE

Erbium Yterbium Doped Fibre Amplifier

SF-EDFA-16

Ideal for use in CATV, FTTX and HFC applications. Optimized for 1550nm wavelength.

The SF-EDFA series is a high-power, multi-port optical amplifier, operating within 1540-1563nm wavelengths and supporting PON return path. It is designed for CATV applications and is compatible with PON services using the built in WDM. With perfect APC, ACC and ATC controls, reliable heat control, ventilation and efficient heat-dissipation design, the EDFA unit has all systems in place for an extended MTBF of the laser pump. The EYDFA has an extremely low noise figure by using a two-stage optical amplification: the pre-amplifier on the first stage EDFA followed by a high power EYDFA to deliver the maximum signal with the best SNR possible.



MAIN PARAMATERS:	TOTAL OUTPUT dBm (+/_)	TOTAL OUTPUT mW	PORT OUTPUT dBm	PORT OUTPUT mW
SF-EDFA-16	35dBm	3200mW	20dBm	100mW

Input (dBm)	-8~+10	Noise Figure (dB)	<6.0 (input 0dBm)
Range of output adjustment (dBm)	Down 4	Web port	RJ45 (SNMP), RS232
one-time downward attenuation (dBm)	Down 6	Power Consumption (W)	≤80
Wavelength (nm)	1540~1565	Voltage (V)	220VAC (90~265), -48VDC
Output stability (dB)	<±0.3	Working Temp (°C)	-0~55
Optical Return Loss (dB)	≥45	Size (mm)	390(L)×486(W)×88(H)
Fiber Connector	FC/APC, SC/APC, SC/IUPC, LC/APC, LC/UPC		