

EDFA-4



Gpon+CATV To Fiber	4 Ports	19" inch 1U	Low Power consumption
Dual Power	LCD Display	WDM	Wide input dynamic range

Overview

The 4-port Erbium-Doped Fiber Amplifier (EDFA) is a versatile device used in optical communication systems to amplify multiple optical signals simultaneously. With its four input and output ports, it enables the distribution and amplification of signals from different sources or for transmission to various destinations. This feature enhances flexibility and adaptability in complex network architectures.

EDFAs, including the 4-port variant, offer high gain and low noise characteristics, ensuring efficient amplification of weak signals and maintaining signal quality. They are wavelength-agnostic, making them compatible with a wide range of optical transmission systems. Moreover, their scalability allows for easy network expansion to meet growing demands without disrupting the existing infrastructure. The redundancy provided by multiple ports ensures reliable and uninterrupted signal transmission, minimizing downtime. Overall, a 4-port EDFA offers a reliable, efficient, and flexible solution for amplifying and distributing multiple optical signals, making it a crucial component in modern optical communication networks.



Highlight Feature

- Output port from 4ports
- Output powers rang from 16~22dBm
- Output power adjustable -3 ~ 0dB
- Wide input dynamic range(0 to +10dBm)
- High Isolated input & output(30dB for max)
- Low power consumption
- Front Panel Key Switch for pump on/off control
- Support WDM
- Automatic Power Control (APC) or Automatic Current Control (ACC)
- VFD Panel Status Indicator for local monitor
- Support secondary development
- Remote management via SNMP (Ethernet Interface) Dual Power input

Model	FTTx Optical Amplifier EDFA with WDM, 4 Fiber Ports
<p>Optical Specifications</p> <ul style="list-style-type: none">• Fiber Connector: TV input:1550nm, COM:1550/1490/1310nm SC/APC, OLT Input:1310/1490nm SC/UPC• Wavelength: 1540~1560nm• Input Power: 0~10dBm• Output Power: 16~22dBm• Noise Figure: 4(max 5)• Isolation(Input/Output): 30dB• Return Loss(Input/Output): 55dB• Polarization Dependent Gain: max0.5 dB• Polarization Mode Dispersion: max0.5 dB <p>Electrical Specifications</p> <ul style="list-style-type: none">• Communication Interface: RJ-45, RS~232• Input Voltage: AC 90~265V• Consumption: Max 50W• Fuse: 2A• Connector: Male Power Connector <p>Environmental Specifications</p> <p>Working Temperature: -5°C ~+50°C</p> <p>Storage Temperature: -20~+85°C</p> <p>Relative Humidity: 10~95% (non-condensing)</p> <p>Standard package of Device</p> <ul style="list-style-type: none">• Product size: Product Dimensions: 48.3x42.2x4.4 cm• Package Weight: Product N.W: 5.5KG• Package content: 1 x GPON EDFA-4 <p>Ordering Information</p> <p>Model Name: AirLive GPON EDFA-4</p> <p>Description: FTTx Optical Amplifier EDFA with WDM, 4 Fiber Ports</p>	