

Erbium-Doped Fiber Amplifiers (EDFA)

- Next generation variable gain EDFA
- Single or multi-channel EDFA available
- 8 dB to 36 dB gain variants
- SNMP and RS232 control
- Fast start-up time
- AGC (Automatic gain control)
- Bi-directional option
- 5-year warranty



The **ViaLiteHD** Erbium Doped Fiber Amplifier (EDFA) is available in either a single channel or multi-channel format depending on where it is utilized in the system.

The EDFA units have low noise figures and variable gain ensuring the optimization of link noise figure and performance. They are available as part of a Ka-Band diversity antenna system, ultra-long distance system (up to 600 km) or as a stand-alone product.

Options

- Low noise figure
- SNMP and RS232 control
- Fixed gain, auto power control, auto gain control software selectable
- Low switching time
- 8 dB, 18 dB, 20 dB, 23 dB, 24 dB, 33 dB or 36 dB gain (other gain variants available)
- Single channel or multiple channel

Applications

Ka-Band diversity rain fade application
Fixed satcom earth stations and teleports
Gateway reduction within a satellite footprint
Government installations
Remote monitoring stations
Remote oil and gas locations
Remote wind farm locations

Formats

1U Chassis

Technical specification

	Unit	EDFA
Frequency range		Not Frequency Dependent
Gain	dB	Variable, 8-36
Gain adjustment range		Fixed
Input level	dBm	-0 - +14
Saturation O/P Power	dB (typ)	+23
Noise Figure (at default gain)	dB (typ)	5
SNMP Interface		RJ45
Input power	Volts, VAC	90-265
Operating temperature range		-20 °C to +60 °C
Storage temperature range		-40 °C to +80 °C
Humidity		5% non-condensing humidity

