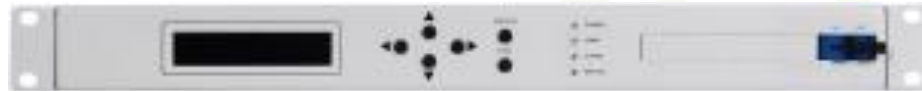


## EDFA optical fiber amplifier

Fiber amplifier technology is in the fiber core of the doped can produce laser rare earth elements, through the laser to provide DC excitation, so that through the optical signal to be amplified. The traditional optical fiber transmission system is the use of optical electrical optical regenerative repeater, the relay equipment affect the system's stability and reliability, to get rid of the conversion process directly in light path to amplify the signal transmission, instead of the regenerative repeater with an all-optical transmission repeater. For the equipment of erbium doped fiber amplifier (EDFA), praseodymium doped fiber amplifier (PDFA) and Nb doped fiber amplifier (NDFa). At present, the optical amplification technology is mainly used EDFA.



### Features

- High output power
- Output power tunable
- Low NF
- RS-485、RS-232 network interfac
- Multi power supply (Rack Mount);
- AC: 220V-110V; DC: -48V

### Application

- Access network
- IP ATM SDH Network
- Digital communication network
- DWDM system

### Specification

Product Name		Preapmlifier (PA)			
Parameter		Min	Typ	Max	Unit
Operating Wavelength	16 Channel	1546	1550	1561	nm
	32 Channel	1535		1562	
	48 Channel	1528		1568	
Input power		-35		-25	dBm

Gain	14	25	33	
Output power			13	dBm
Input optical power threshold	-30		-40	dBm
Noise figure		5.0		dB
Gain flatness		0.6	1.5	dB
Input/output Isolation	30			dB
Output Pump leakage			-30	dBm
Input/output return loss	45			dB
polarization dependent loss			0.5	dB
Polarization mode dispersion			0.5	ps
Operating Temperature	-5		55	°C
Humidity	5		95	%
Storage Temperature	-40		85	°C
Power consumption			30	W
Power	-48V DC AND 220V AC			V
Interface	FC/UPC or others			
Dimension	(W x L x H) 482.6x245x43.6			mm