CLUSTERASIA CORP.

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Erbium Doped Fiber Amplifier (EDFA)
C-CORP CC-E1-8U 1550NM

1 -8 ports (optional)

1. Application

- 1550nm front-end signal amplification
- Made with low-noise optical receiver, high power pre-amplifier
- Optical trunking in trunk networks
- Node signal amplification of optical access network

2. Performance characteristics

- Selection of internationally renowned brands of low noise pump lasers, low distortion, wide band, high output optical power;
- 1 port—8 ports. Please refer to the prices of EDFA for the db gain per port and total power.
- Imported high-performance American Corning Erbium-doped fiber, high energy conversion efficiency;
- 32-bit ARM processor, optical control output accuracy of ± 0.1dBm;
- Optical power receiving range -10dBm ~ +10dBm, optical output power 13~26dBm;
- The output ports 1/2/4/8 is optional, which can realize the CATV+PON network construction;
- The dual module structure is reserved, the function modules such as optical transmitter, EDFA, optical switch, optical receiver can be added, multi- function can be realized .
- Modular structure, easy to expand the function of equipment and maintenance;
- All control circuits and devices use high-efficiency switching chips, and the overall power consumption is ≤10W.
- The power supply supports dual power hot backup, snap-type fixed, one-touch pull. Voltage 220V & 110V & 48V optional
- Output power +0.2~-4dBm adjustable;
- Standard network management interface, in line with SNMP network management protocol;

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CC-E1-8U 1550NM Erbium Doped Fiber Amplifier

C-CORP-CC-E1-8U TECHNICAL SPECS				
Items		unit	Technical Parameters	Note
Working wavelength		nm	1535~1565	
Input optical power range		dBm	-10dBm~ +10dBm	Nominal input +3dBm
Output optical power		dBm	（13~26） dBm	
Output power stability		dBm	±0.1	
Noise Figure		dB	≤ 5.0	@+0dBminput, λ=1550nm
Return Loss	Input side	dB	≥ 45	
	Output side	dB	≥ 45	
Optical connector type			FC/APC（s） &SC/APC&LC/APC	Customizable
C/N		dB	≥ 50	
C/CTB		dB	≥ 63	Test conditions are performed according to GT/T 184-2002.
C/CSO		dB	≥ 63	
Total power		W	≤ 10	
range of working		℃	-5 - 42	
Maximum working relative humidity		%	Up to 95% non-condensing	
Storage temperature		℃	-30 ~ +70	
Maximum storage relative		%	Up to 95% non-condensing	
Dimensions		mm	357(W)*482(L)*44(H)	
Packing size (one set)		mm	595(W)*490(L)*120(H)	
Packing size (two sets)		mm	595(W)*490(L)*230(H)	