

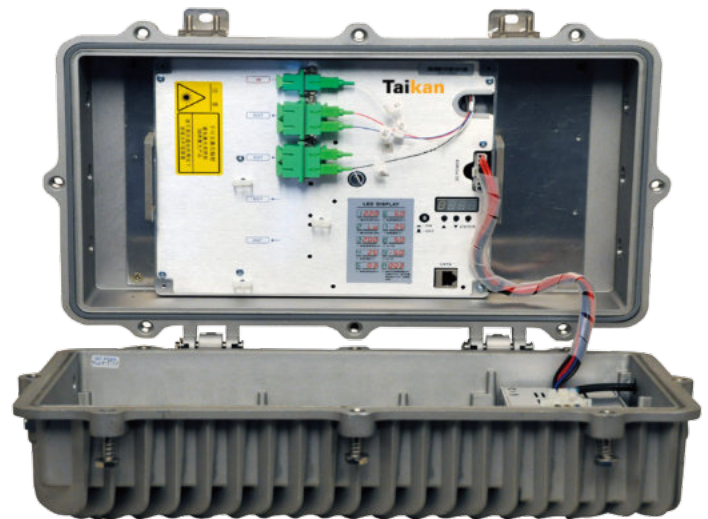
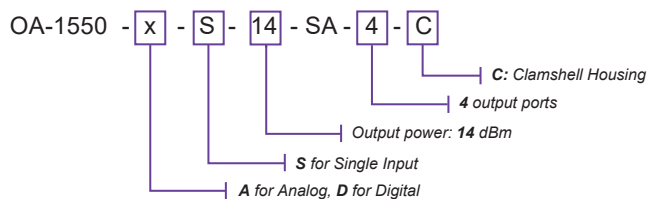
CLAMSHELL EDFA OPTICAL AMPLIFIER

[OA-1550-x-S-14-SA-4-C] Fiber Products, EDFA

Features

- 1545~1565 nm Operating Wavelength
- 4 Output Port
- High Performance Erbium-Doped Fiber and Low Noise Pump Laser
- Clamshell Housing
- Optical Status Indication with LEDs
- Network Management via SNMP Interface (optional)
- Digital Amplifier (optional)

Ordering Information



***Image is for reference purposes only and does not represent the final product

Model Number	Description	Box Weight	Output Power (dBm)
OA-1550-x-S-14-SA-4-C	EDFA Optical Amplifier for 1550nm	3.9 kg / 8.6 lbs	14

Optical Features

Output Wavelength	1545 - 1565 nm
Optical Input Power	-3 ~ +10 dBm (-27 dBm for Digital)
Optical Output Power	14 dBm
Optical Input Return Loss	≥ 45 dB
Optical Output Return Loss	≥ 45 dB
Optic Connector Type	SC/APC
System Parameters	42 channels CENELEC, 0 dBm optical input power, 100 dBm _u V output level, 3.3% OMI
CSO [dBc]	≥ 64
CTB [dBc]	≥ 65
C/N [dBc]	≥ 52.5
Optical Output Ports	4
Noise Figure	≤ 5 (@ 0 dBm input)
Output Power Stability	± 0.5 (@ 0 ~ +10dBm input)

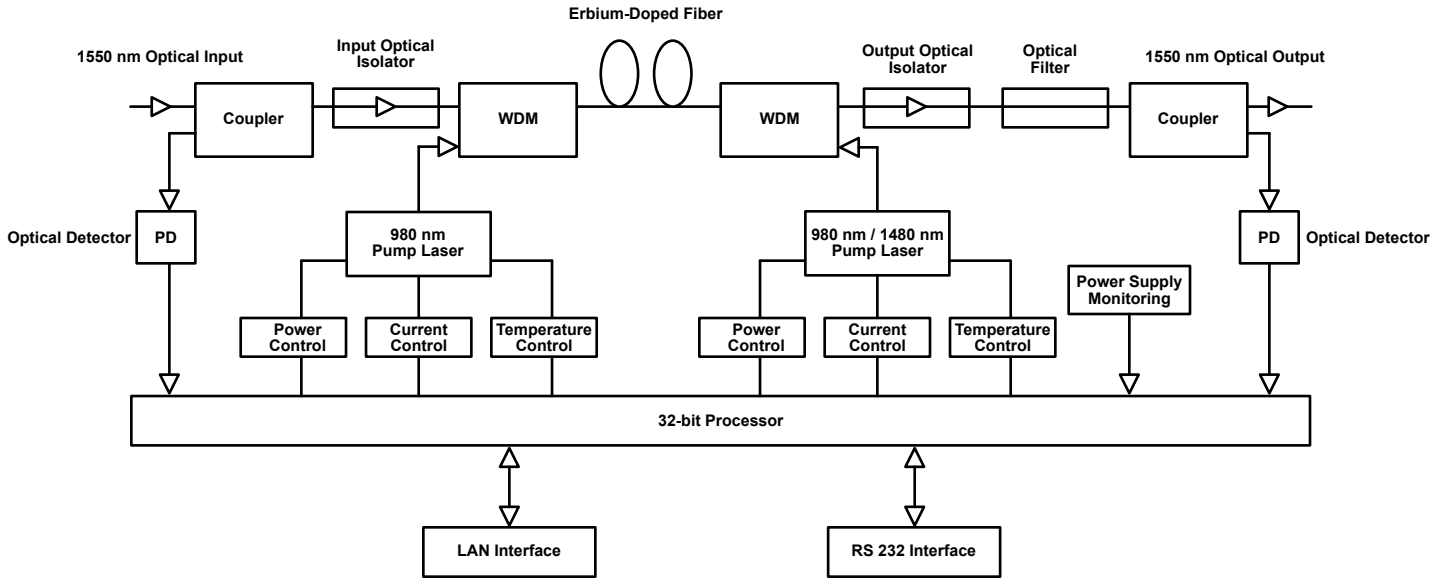
RF Features

Power Supply	110 - 265 VAC
Power Consumption	≤ 30 W
Operating Temperature	-15 ~ +55 C
Storage Temperature	-30 ~ +70 C
Operating Relative Humidity	Max 95%
Dimensions (L x W x H)	340 mm (L) × 130 mm (W) × 240 mm (H) 13.38 in (L) × 5.12 in (W) × 9.45 in (H)

Model	Output Power (dBm)	Input Power & Range	Typical	Noise Figure (dB)
OA-1550-x-S-14-SA-4-C	> 14	-3 (min) ~ +10 (max)	> +3 dBm	≤ 5

Service Warranty: Three Years

Functional Block Diagram



Built-in WDM Schematic Diagram

