

# HIGH POWERED EDFA AMPLIFIER [OAH-1550-x-x-x-x-x-x]

# TaiTin

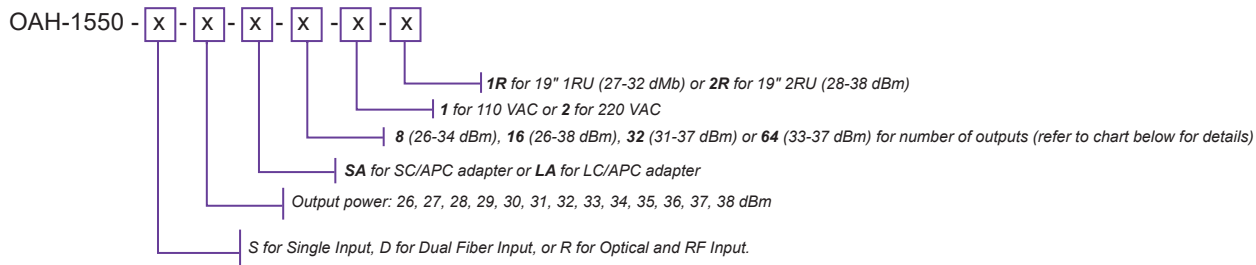
Fiber Products, Amplifiers

## Features

- 1540 ~ 1563 nm Operating Bandwidth for Optical Amplifier
- 400 ~ 6300 mW (26~38 dBm) High Output Power
- Low Noise Subnumber ( Typ ≤ 4.5 dB, Max ≤ 5.0 dB )
- 8 ~ 64 Output Ports
- Perfect RS232, SNMP // Excellent P/P Ratio
- Efficient Space, Flexible Installation and Easy Operation
- Compatible with Digital CATV, DBS, MMDS and FTTx PON Networks
- High Performance and Reliability



## Ordering Information



Model Number	Description	Box Weight	Output Power (dBm)
OAH-1550-x-x-x-x-x	High Powered EDFA Amplifier for 1550 nm	3 kg / 7 lbs	26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38

## Optical Features

Output Wavelength	1540 - 1563 nm
Optical Input Power	-10 ~ 10 dBm
Optical Output Power	See chart below
Output Ports	8, 16, 32, 64
Each Port Output Power	10 ~ 24 dBm
Each Output Power Difference	-0.5 ~ +0.5 dB
Output Power Adjustable Range	-6 ~ 0 dBm
Noise Figure	< 6.3 dB
Switch Time	8.0 ms

## Optical Features (cont.)

Polarization Dependence Loss	< 0.3 dB
Polarization Dependence Gain	< 0.4 dB
Polarization Mode Dispersion	< 0.3 ps/nm
Input / Output Isolation	> 30 dB
Pump Power Leakage	< -30 dBm
Echo Loss	> 55 dB

## General Features

Network Interface Port	RJ45, R232 supports IE & SNMP
Power Supply	90 ~ 265 V AC
Power Consumption	≤ 50 W
Operating Temperature	-5 ~ 65 °C (23 ~ 149 °F)
Storage Temperature	-40 ~ 80 °C (-40 ~ 176 °F)
Operating Relative Temperature	5 % ~ 95 %
Rack Size (WxDxH)	1RU: 19 x 14.5 x 1.75 in. 2RU: 19 x 14.7 x 3.5 in.

<b>Model</b>	<b>Output Power (dBm)</b>	<b>Number of Output Ports</b>	<b>Each Port Output Power</b>	<b>Connector Type</b>
OAH-1550-26-08-x-x-x	≥ 26 (400 mW)	8	≥ 15.5 dBm	<b>SC/APC, LC/APC</b>
OAH-1550-26-16-x-x-x	≥ 26 (400 mW)	16	≥ 12.0 dBm	<b>SC/APC, LC/APC</b>
OAH-1550-27-08-x-x-x	≥ 27 (500 mW)	8	≥ 16.5 dBm	<b>SC/APC, LC/APC</b>
OAH-1550-27-16-x-x-x	≥ 27 (500 mW)	16	≥ 13.0 dBm	<b>SC/APC, LC/APC</b>
OAH-1550-28-08-x-x-x	≥ 28 (630 mW)	8	≥ 17.5 dBm	<b>SC/APC, LC/APC</b>
OAH-1550-28-16-x-x-x	≥ 28 (630 mW)	16	≥ 14.0 dBm	<b>SC/APC, LC/APC</b>
OAH-1550-29-08-x-x-x	≥ 29 (800 mW)	8	≥ 18.5 dBm	<b>SC/APC, LC/APC</b>
OAH-1550-29-16-x-x-x	≥ 29 (800 mW)	16	≥ 15.0 dBm	<b>SC/APC, LC/APC</b>
OAH-1550-30-08-x-x-x	≥ 30 (1000 mW)	8	≥ 19.5 dBm	<b>SC/APC, LC/APC</b>
OAH-1550-30-16-x-x-x	≥ 30 (1000 mW)	16	≥ 16.0 dBm	<b>SC/APC, LC/APC</b>
OAH-1550-31-08-x-x-x	≥ 31 (1260 mW)	8	≥ 20.5 dBm	<b>SC/APC, LC/APC</b>
OAH-1550-31-16-x-x-x	≥ 31 (1260 mW)	16	≥ 17.0 dBm	<b>SC/APC, LC/APC</b>
OAH-1550-32-08-x-x-x	≥ 32 (1580 mW)	8	≥ 21.5 dBm	<b>SC/APC, LC/APC</b>
OAH-1550-32-16-x-x-x	≥ 32 (1580 mW)	16	≥ 18.0 dBm	<b>SC/APC, LC/APC</b>
OAH-1550-32-32-LA-x-x	≥ 32 (1580 mW)	32	≥ 14.5 dBm	<b>LC/APC</b>
OAH-1550-33-08-x-x-x	≥ 33 (2000 mW)	8	≥ 22.5 dBm	<b>SC/APC, LC/APC</b>
OAH-1550-33-16-x-x-x	≥ 33 (2000 mW)	16	≥ 19.0 dBm	<b>SC/APC, LC/APC</b>
OAH-1550-33-32-LA-x-x	≥ 33 (2000 mW)	32	≥ 15.5 dBm	<b>LC/APC</b>
OAH-1550-34-08-x-x-x	≥ 34 (2510 mW)	8	≥ 23.5 dBm	<b>SC/APC, LC/APC</b>
OAH-1550-34-16-x-x-x	≥ 34 (2510 mW)	16	≥ 20.0 dBm	<b>SC/APC, LC/APC</b>
OAH-1550-34-32-LA-x-x	≥ 34 (2510 mW)	32	≥ 16.5 dBm	<b>LC/APC</b>
OAH-1550-35-16-x-x-x	≥ 35 (3160 mW)	16	≥ 21.0 dBm	<b>SC/APC, LC/APC</b>
OAH-1550-35-32-LA-x-x	≥ 35 (3160 mW)	32	≥ 17.5 dBm	<b>LC/APC</b>
OAH-1550-36-16-x-x-x	≥ 36 (4000 mW)	16	≥ 22.0 dBm	<b>SC/APC, LC/APC</b>
OAH-1550-36-32-LA-x-x	≥ 36 (4000 mW)	32	≥ 18.5 dBm	<b>LC/APC</b>
OAH-1550-36-64-LA-x-x	≥ 36 (4000 mW)	64	≥ 15.0 dBm	<b>LC/APC</b>
OAH-1550-37-32-LA-x-x	≥ 37 (5000 mW)	32	≥ 19.5 dBm	<b>LC/APC</b>
OAH-1550-37-64-LA-x-x	≥ 37 (5000 mW)	64	≥ 16.0 dBm	<b>LC/APC</b>
OAH-1550-38-16-LA-x-x	≥ 38 (6300 mW)	16	≥ 24.0 dBm	<b>LC/APC</b>