

## Optical Fiber Amplifier High Power EYDFA OHA-CCS Series

The LiComm OHA-CCS series is the compact 19" 1U shelf type, high output power amplifier, inside of which an optical amplifier module and a power supply are included. The 1U height make it possible for the customer to save the system space and increase the number of system on the same space. The new technology of MM cladding pumping in DC Er/Yb doping amplifying fiber is applied to the optical assemblies which benefits the customer for cost effectiveness. Multiple output ports, such as 8, or 16ports, are available for variety of user requirement. In the OHA-CCS series, an LCD panel and 4-control buttons are provided for the local user to monitor and to control the operating status/parameters very simply. Even RS232 and SNMP interface also enable the remote simple monitoring and controlling with PC. So the OHA-CCS series is suitable for CATV application or PON (Passive Optical Networks) that requires simple stand-alone operation of optical amplifier. Dual redundant and hot swappable AC 110 ~ 245 or DC -48 volt power supply is also optionally available for improved stability.



### Features

- High output power up to 35dBm
- Wide input dynamic range
- Low noise figure
- CATV-network-proven low noise figure and superb non-linearity performance
- Easy operation by Web GUI
- SNMP version3.0
- Local Control & monitor with RS232, LCD & Key-buttons
- APC (Automatic Power Control)
- Either AV110 ~ 220volt(standard) or DC -48 volt power supply is optional

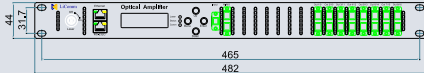
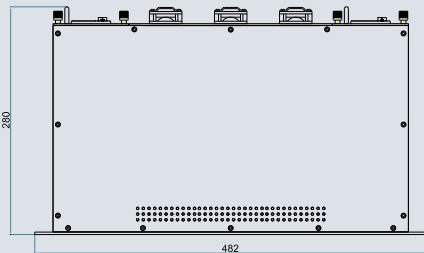
### Applications

- PON (passive optical networks) and FTTH
- CATV network
  - Power booster, Line Amp
  - Distribution, Multi-branching

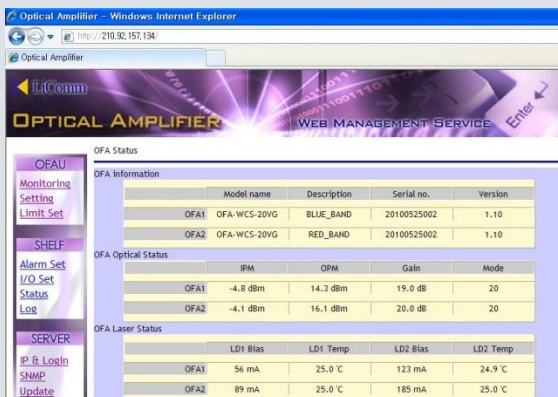
## Optical Fiber Amplifier

# High Power EYDFA

### Mechanical Dimension OHS-CCS (482x280x44mm)



### Web GUI



### Optical Characteristics

Parameter	Symbol	OHA-CCS	Unit
Signal wavelength range	$\lambda$	1545 ~ 1562	nm
Normal Input power	$P_{IN}$	Typ.0	dBm
Max. Total Output power	$P_{OUT}$	35	dBm
Small signal gain(1)	G	>30	dB
Noise figure(2)	NF	<6.0	dB
Optical isolation	ISO	>30	dB
Return loss	RL	>40	dB
Polarization mode dispersion	PMD	<0.5	Ps
Polarization dependent gain	PDG	<0.3	dB

(1) Input Power = -30dBm at 1550nm

(2) Input Power = 0dBm at 1550nm

### Electric & Environmental Characteristics

Parameter	Typical Value
Power supply voltage	AC 110 ~ 220V or DC -48V
Interface	RS232, SNMP
Operating temperature	0 ~ 50 °C
Storage temperature *	- 40 ~ 85 °C
Storage humidity *	5 ~ 85% R.H

\* Short term exposure to conditions as severe as non-condensing 85/85% RH are acceptable for only limited duration (total exposure < 168 hours)

### Ordering Information

OHA - CCS - XX<sub>1</sub>XX<sub>2</sub> - X<sub>3</sub>X<sub>4</sub>X<sub>5</sub>X<sub>6</sub>

XX<sub>1</sub> : Output Power  
 XX<sub>2</sub> : Output port numbers

X<sub>3</sub> (PSU Power) : A(AC Free), D(DC -48V), C(AC and DC)  
 X<sub>4</sub> (PSU Type) : H(Dual Hot Swap), D(Dual Fixed), S(Single Replaceable), R(Single Fixed)  
 X<sub>5</sub> (Management Interface) : S(SNMP+RS-232), R(RS-232)  
 X<sub>6</sub> (Opt. Connector Position) : F(Front), R(Rear)

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