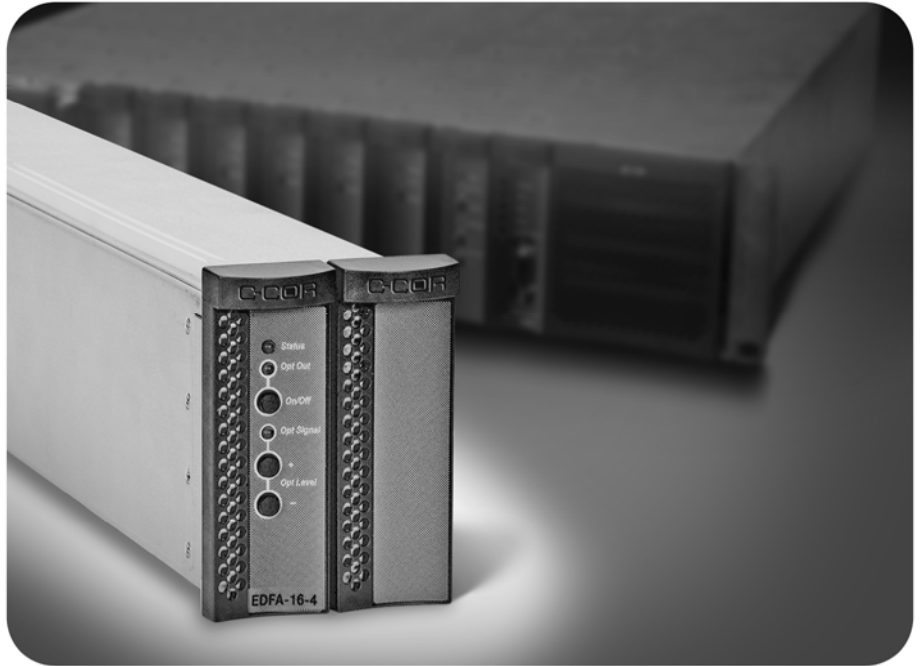




## Erbium Doped Fiber Amplifiers

### CHP-EDFA



- Low noise, high performance EDFA series
- EDFAs available with constant gain, constant power, and new high input constant gain option
- High input, constant gain(HG) model specially designed for multiple wavelength solutions
- Simplified installation and control with graphical user interface
- Universal management through Craft interface and SNMP with HMS

CHP Max5000 Erbium-Doped Fiber Amplifiers (EDFAs) offer a scalable optical amplification solution. The CHP Max5000 EDFA series is designed for use with CHP Max5000 1550 nm transmitters, simplifying applications by providing low noise, integrated element management capability, reduced rack space, and power requirements.

CHP Max5000 EDFAs are offered with single, dual, and triple-width modules based on the configuration option. The 2RU CHP Max5000 chassis can accommodate up to 10 single-width modules (up to 200 single-width modules in one standard 40RU rack) to relieve the pressure on precious headend space as you expand your network offering advanced service applications.

CHP Max5000 EDFA modules are available with or without constant gain. Constant gain modules can be set for either constant gain or constant power, whereas modules without constant gain only have a constant power mode. In constant gain mode, EDFAs amplify the optical input by a fixed amount regardless of optical input power. In constant power mode, EDFAs provide a consistent optical output power regardless of optical input power.

CHP Max5000 EDFA series offer hot-swapping and integrated monitoring and configuration control through a Craft graphical user interface with local or remote access. Remote management is accessible through the SNMP HMS-compliant interface for external connection to an element manager. Energy efficient internal components and effective thermal design keep optical components cool to ensure effective, reliable performance.

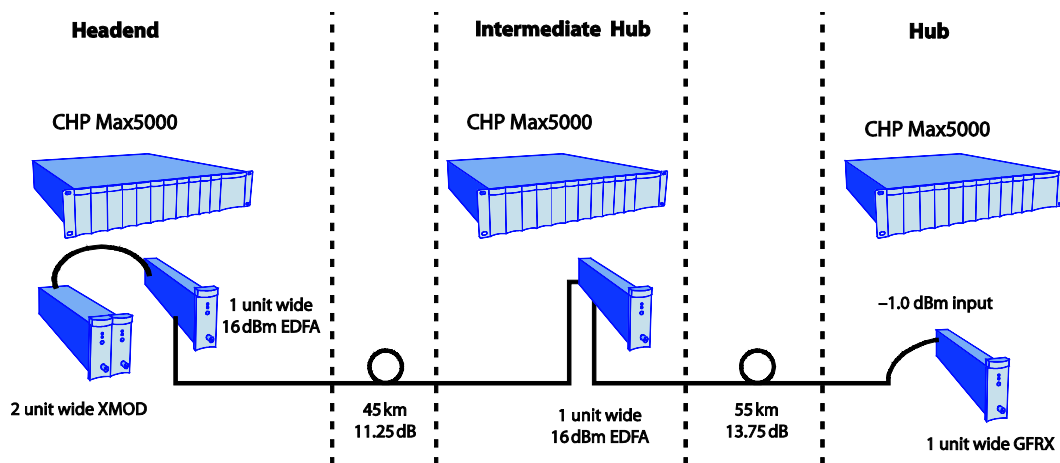
# CHP-EDFA (Erbium Doped Fiber Amplifiers)

## Features

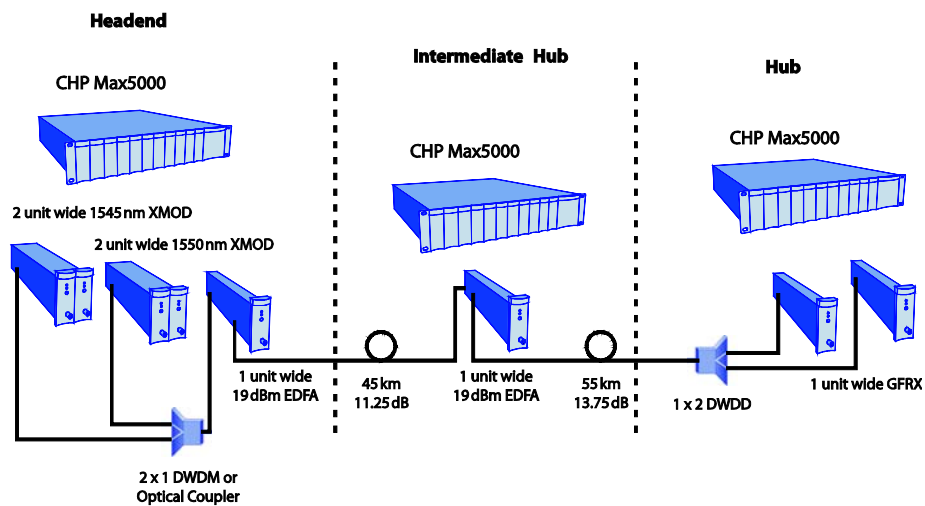
- Nominal output powers from 13 dBm to 22 dBm per port
- Constant gain, constant power, and high input constant gain models
- Adjustable output power
- High-density solution (up to 10 modules per 2RU chassis and 200 modules per 40RU rack)
- Local or remote monitoring and configuration control using the Craft GUI
- Modular system optimized for use with CHP Max5000 1550 nm transmitter series

## Applications

### 100 km Single Channel Application



### 100 km Split Channel Application



The capabilities, system requirements and/or compatibility with third-party products described herein are subject to change without notice. ARRIS, the ARRIS logo, Auspice®, C3™, C4®, C4c™, Cadant®, C-COR®, CHP Max™, CHP Max5000™, ConvergeMedia™, Cornerstone®, CORWave™, CXM™, D5®, Digicon®, ENCORE®, Flex Max®, HEMI®, Keystone™, MONARCH®, MOXI®, n5®, nABLE®, nVision®, OpsLogic®, OpsLogic® Service Visibility Portal™, PLEXIS®, PowerSense™, QUARTET®, Regal®, ServAssure™, Service Visibility Portal™, TeleWire Supply®, TLX®, Touchstone®, EGT VIPr®, VoiceAssure™, VSM™, and WorkAssure™ are all trademarks of ARRIS Group, Inc. Other trademarks and trade names may be used in this document to refer to either the entities claiming the marks and the names of their products. ARRIS disclaims proprietary interest in the marks and names of others. © Copyright 2010 ARRIS Group, Inc. All rights reserved. Reproduction in any manner whatsoever without the express written permission of ARRIS Group, Inc. is strictly forbidden. For more information, contact ARRIS.



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