



CHP-GMOD 1GHz 1550nm Externally Modulated Transmitter

CHP Max5000™

- 1GHz bandwidth increasing forward capacity by 16%
- Transmitter series offers intermediate (65 km) and long (100km) range performance models
- Simplified installation and control with graphical user interface
- Universal management through Craft interface and SNMP with HMS



CHP Max5000 1GHz 1550nm Externally Modulated Transmitters help MSOs unlock narrowcast bandwidth as subscribers demand advanced services and offer scalable long distance optical solutions. Extended bandwidth from 870MHz to 1GHz will enable broadband service providers to increase forward capacity by 16% and the digital spectrum by 40%.

These dual output CHP Max5000 1550nm transmitters are designed for use with CHP EDFA series modules, simplifying applications by providing low noise, integrated element management capability, reduced rack space, and power requirements at geographical reach distances of up to 100km—the preferred solution for HFC or FTTx applications.

Advanced adjustable SBS from 12 to 18dB provides the flexibility to optimize link performance with minimal inventory providing both CapEx and OpEx savings. The existing performance range option provides a 65km geographical reach. Laser options enable 1555 ± 5 nm for WDM, 1545 ± 1 nm for Red/Blue, and 1550 ITU for DWDM applications providing a variety of solutions for fiber challenged long distance applications.

The 2RU CHP Max5000 chassis can accommodate up to 5 double-width externally modulated transmitter modules (up to 100 double-width modules in one standard 40RU rack) to relieve the pressure on precious headend space as you expand your network offering advanced service applications.

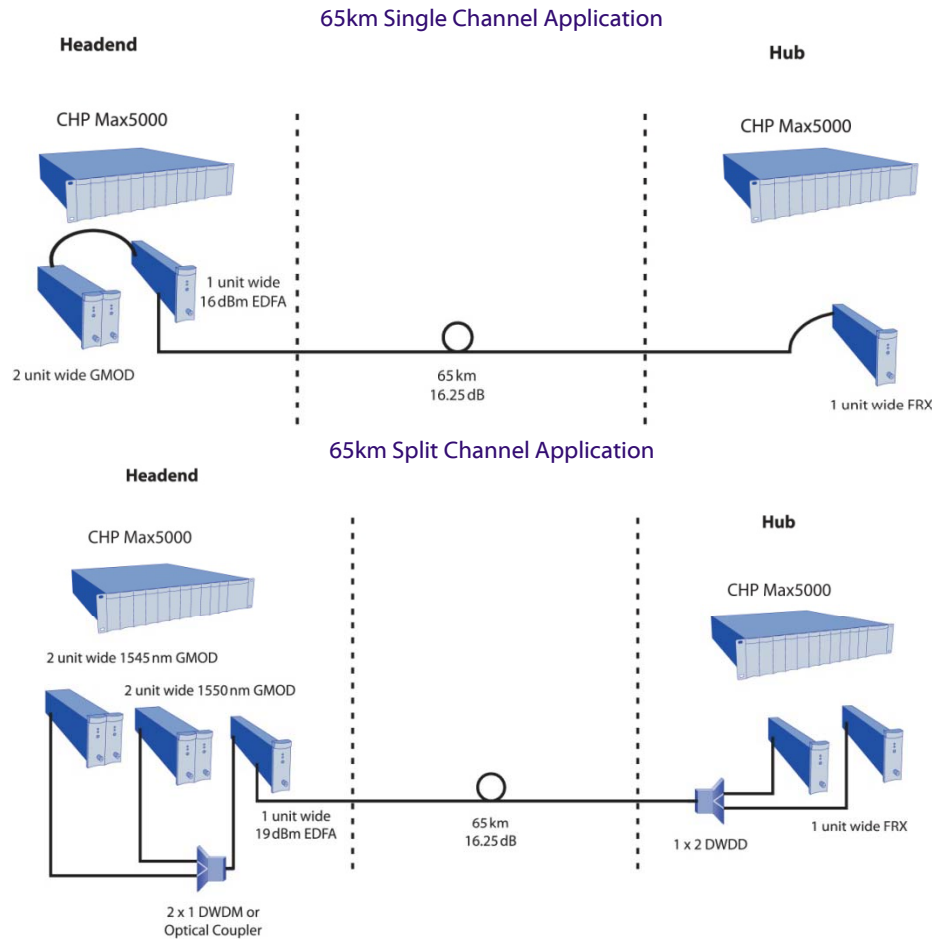
CHP Max5000 1GHz Externally Modulated Transmitters offer hot-swapping and integrated monitoring and configuration control through a Craft graphical user interface with local or remote access. Remote management is accessible through the SNMP HMS-compliant interface for external connection to an element manager. Energy efficient internal components and effective thermal design keep optical components cool to ensure effective, reliable performance.

CHP-GMOD 1GHz Externally Modulated Transmitter CHP Max5000

Features

- Advanced 1GHz technology and adjustable SBS from 12 to 18dB for maximum performance and minimal inventory
- Laser options support standard 1555 +/- 5nm, 1545 +/- 1nm, and DWDM for various fiber challenged applications
- High-density solution (up to 5 modules per 2RU chassis and 100 modules per 40RU rack)

Applications



Note: Refer to the CHP Max5000 EDFA data sheet for 100km Single and Split Channel application diagrams.

www.arrisi.com

Find more information about the CHP Max5000 CHP-GMOD 1GHz Externally Modulated Transmitter.

- **Product Specifications**—CHP Max5000 CHP-GMOD 1GHz Externally Modulated Transmitter Technical Specifications (Publication Code: CHP1550GEMTX_TS.pdf)

Customer Care—Contact Customer Care for product information and sales

- **United States:** 866-36-ARRIS, **International:** +1-678-473-5656

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.



www.arrisi.com