



1GHz Redundant Forward Receivers

CHP-GFRX CHP Max5000™



- 1 GHz technology
- Up To 10 receiver channels per chassis
- Up to 200 receiver channels per rack
- Optional optical path resiliency and hardware redundancy
- Hot-swappable
- Local Craft and remote SNMP monitoring
- High RF output

ARRIS CHP Max5000 1 GHz Redundant Forward Receivers, designed to accept an optical forward path signal from a CHP Forward Path Transmitter, are an integral part of the CHP Max5000 platform, which converges headend, hub, and digital transport onto one 2RU scalable system allowing service providers to accelerate deployment of advanced services such as video on demand, high speed data, and telephony. Extending bandwidth from 870 MHz to 1 GHz will enable broadband service providers to increase the overall forward capacity by 16% and the digital spectrum by 40%.

The CHP Max5000 1 GHz Redundant Forward Receiver can operate as either a stand-alone receiver or can be configured as a redundant receiver with the addition of a second module and a Redundant Communications Link Cable (RCL2), providing optical path resiliency and hardware redundancy to maintain uninterrupted service availability in the event of optical path or hardware failure. Automatic switchover time for optical path or hardware failure is less than or equal to 50 ms. The CHP Max5000 platform offers operators the flexibility to set the optical input and RF output thresholds for switching to the redundant module. Redundant modules may be located in the same CHP chassis or in a different rack located within the maximum RCL2 length of 6 meters (20 feet). A major alarm is generated if either the optical input power or RF output power exceeds a user-defined major high limit or drops below a user-defined major low limit.

The CHP Max5000 1 GHz Redundant Forward Receiver is designed for both 1310 nm and 1550 nm network architectures with an input power range from -10 to 4 dBm. It provides a high RF output up to 1002 MHz with a noise contribution of less than 8 pA/Hz^{0.5} eliminating the need for additional RF amplification when combining many circuits.

The front panel has module and channel status LEDs, and up and down gain adjustment buttons, which can be locked out by the local Craft Management Graphical User Interface for security purposes.

1GHz Redundant Forward Receivers CHP-GFRX CHP Max5000

Features

- Exceptional price/performance ratio
- Stand-alone or redundant operation with the use of a redundant communications link cable
- Up to 10 receivers per chassis and 200 receivers per rack for high density and reduced heating, cooling, and power costs
- Optical input range of -10 to 4 dBm at the receiver
- Extending bandwidth from 870 MHz to 1 GHz increases overall forward capacity by 16% and the digital spectrum by 40%
- RF output level adjustment per channel via front-panel pushbutton or via CMM or SMM
- High RF output of 41 dBmV/channel with 0 dBm input reduces the need for an external RF amplifier
- Front-panel RF testpoint for convenient monitoring
- Local or remote monitoring
- Downloadable firmware upgrades

www.arrisi.com

Find more information about the 1GHz Redundant Forward Receivers CHP-GFRX CHP Max5000:

- 1GHz Redundant Forward Receivers CHP-GFRX CHP Max5000 Technical Specifications (Publication Code: CHPGFRX_TS)

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