



Dual Return Path Receivers

CHP-2RRX
CHP-R2RR
CHP-L2RR
CHP Max5000™



- Resilient operation for VoIP and business data applications
- Integrated optical path and RF switching option
- High RF output eliminates external amplifiers
- Low noise option for RFoG applications with squelch function
- High density system with up to 20 ports per 2RU chassis and up to 400 ports per 40RU rack
- Simplified installation and control with graphical user interface
- Universal management through Craft interface and SNMP with HMS

The ARRIS CHP Max5000 Dual Return Path Receivers are an integral part of return path system applications and are available as either a standard, low noise, or redundant module. Advanced two-way services—such as video on demand, high speed Internet access, and telephony—require superior return path delivery capacity and performance. The ARRIS CHP Max5000 headend optical platform can help you meet these demands. The CHP Max5000 standard Dual Return Path Receivers offer high RF output and high efficiency optical performance for excellent carrier-to-noise performance, and the redundant model allows either stand-alone or redundancy operations. For the new RFoG applications, the low-noise return receiver achieves the best distortion performance with a lower optical input range for longer distance.

The receiver supports an optional dual window squelch function, which provides an attenuation of >35 dB when return path RF is below the preset RF threshold level. This improves overall link performance by reducing the noise contribution of combined receivers.

The CHP Max5000 Dual Return Path Receivers accept two optical inputs in a single-width CHP Max5000 module. Two receivers in one housing means you can pack up to 20 receivers in one 2RU CHP Max5000 chassis to relieve the pressure on precious headend space as you expand offering of advanced two-way services.

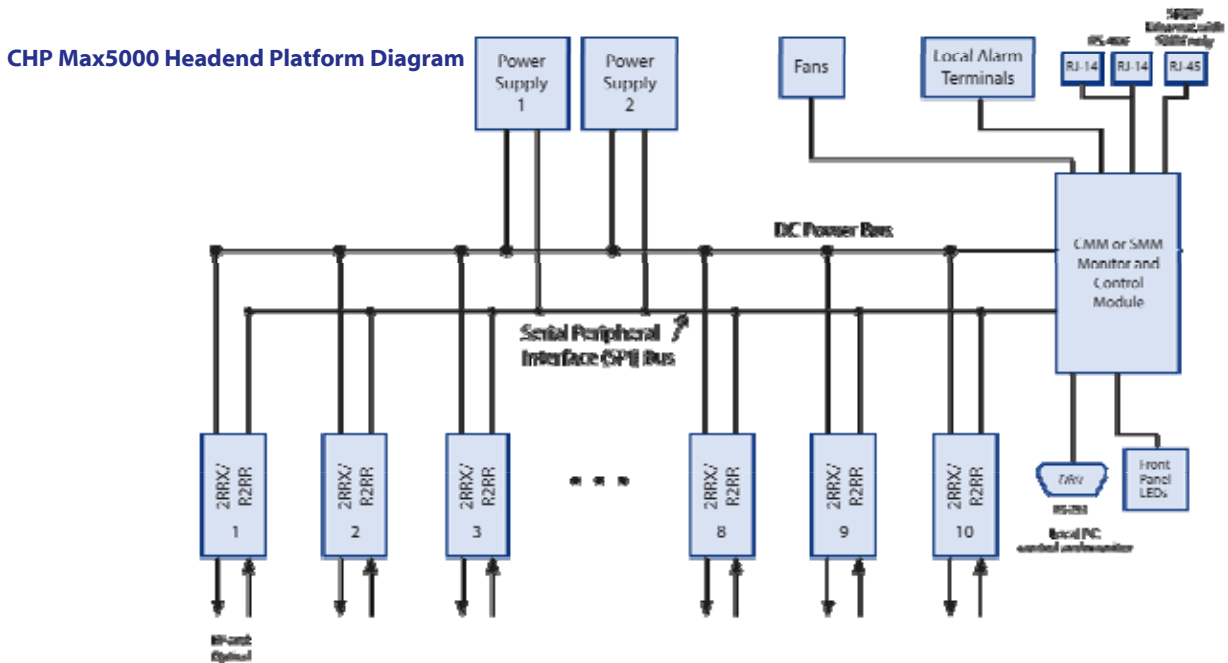
The redundant modules enable optical path and hardware protection for mission critical applications such as VoIP and business data provisioning. The integral optical and RF switches will alternate between diverse paths when an optical path or module hardware fault is detected. Switch time is less than 50 milliseconds to ensure telephony call hold time. Module pairs can reside in the same CHP Max5000 chassis or in separate chassis up to 6 meters (20 feet) apart through interconnection with the RCL2 cable.

Dual Return Path Receivers CHP-2RRX, CHP-R2RR, CHP-L2RR, CHP Max5000™

The CHP Max5000 Dual Return Path Receivers are hot-swappable. Monitoring, configuration control, and firmware download are provided through a Craft graphical user interface (GUI) locally using a Craft Management Module (CMM). Both local and remote IP access of the Craft GUI, firmware download, and remote SNMP HMS interface are achieved using the System Management Module (SMM).

Features

- Up to 20 separate receiver channels per chassis and 400 receivers per rack for high density and reduced cooling and power costs
- Redundant version integrates optical path and RF switching on same module
- Redundant pair module option can reside in same chassis or separate chassis
- Squelch function allows combining multiple L2RR returns together
- 5 to 200 MHz transmission bandpass
- Front-panel RF testpoint for convenient monitoring
- RF output level adjustment per channel via front panel control, local or remote IP access to Craft GUI, or SNMP
- Downloadable firmware for module upgrades



www.arrisi.com—Find more information about the Dual Return Path Receivers, CHP Max5000™:

- Dual Return Path Receivers , CHP Max5000™ Technical Specifications (Publication Code: CHPRRX_TS.pdf)

Customer Care—Contact Customer Care for product information and sales

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

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