

Headend Optics Platform (CH3000)

CX3002 Communications Module

FEATURES

- SNMP proxy agent monitors modules in CH3000 Chassis, HFC Nodes, and VHubs
- Easy integration with any standard SNMP-compliant NMS
- Provides status, alarms, configuration, and SNMP hosts traps
- Embedded Web server for Web-based management of CH3000 Chassis
- Instruments standards-based SCTE HMS Alarms framework
- Supports ARRIS's Opti-Trace® family of management software and third- party software over a standard IP network
- Two 10BASE-T ports; second port supports daisy-chaining of CX3002 modules in multiple chassis
- RS-232 port for external device monitoring (with auto-detection of AT1550 Series Transmitters)
- No additional chassis slot required (mounts on top of any power supply from rear of chassis)
- Hot plug-in/out
- Field upgradable software



PRODUCT OVERVIEW

The CX3002 Communications Module supports the remote configuration and monitoring of modules installed in the CH3000 Chassis through connection to the CH3000 chassis mid-plane alarm bus. Mounted on back-end top of any PS3xxxx power supply module, the CX3002 does not require a dedicated slot in the chassis. The CX3002 also supports Web-based management of the CH3000 Chassis.

In addition to compatibility with ARRIS's Opti-Trace software, the module's SNMP proxy agent enables equipment monitoring and integration with other industry standard NMS solutions. The CX3002 maintains a separate cache for retention of status and configuration information for all modules installed in the CH3000 chassis.

One of the CX3002's two 10BaseT ports is used to interface with ARRIS's Opti-Trace family of management software over a standard IP network. The second 10BaseT port can be used to daisy-chain additional CX3002 modules to support monitoring of multiple chassis per site, thus reducing requirements for external hubs. An RS-232 port provides an interface for monitoring of externally connected equipment.

SPECIFICATIONS

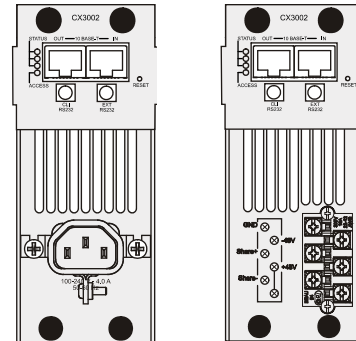
Characteristics	Specification
Physical	
Dimensions	8.1" D x 1.7" H x 2.0" W (20.6 cm x 4.3 cm x 5 cm) (Installs in rear of power supply; no separate chassis slot required)
Weight	0.5 lbs (0.23 kg)
Environmental	
Operating Temperature Range	-20° to +65°C (-4° to 149°F)
Storage Temperature Range	-40°C to +85°C (-40°F to +185°F)
Humidity	5% to 95% non-condensing
Power Requirements	
Input Voltage (from chassis mid-plane)	12 V _{DC} (400 mA)
Power Consumption	5 W
General	
	Hot plug-in/out
Management Interface	RJ-45 (2 10BaseT ports)
Ethernet Ports	
Connector Type	8-pin RJ-45 (2 connectors, IN and OUT)
Cable Length	328 ft (100 m), CAT-5 compliant
Speed Supported	10 Mbps (half duplex)
Front Panel	
RS-232 Port	External device monitoring with auto-detection of externally connected AT1550 Series Transmitter. (The CLI RS-232 Port is only for factory use.)
Reset Push-button	Soft reset and configuration reset
Status LEDs	<ul style="list-style-type: none"> Green = OK Yellow = non-service-affecting alarm (or alarm history present) Red = service-affecting alarm
ACCESS LED	<ul style="list-style-type: none"> Access = Blue (communications active with chassis mid-plane)
Port LEDs	<ul style="list-style-type: none"> LINK = Green Activity = Amber



ORDERING INFORMATION

Model Name	Description
CX3002	Communications Controller Module for CH3000 chassis modules and associated networks.

The CX3002 Communications Module can be installed in either power supply back plate BP-P1 or BP-P2 and does not require a CH3000 slot.



RELATED PRODUCTS

CH3000 Chassis	Opti-Trace® OTS/EMS
Digital Return	Optical Patch Cords
BP Back Plates	Installation Services

Customer Care

Contact Customer Care for product information and sales:

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

Note: Specifications are subject to change without notice.

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