

**MODEL**  
**HEADEND OPTICS**  
**PLATFORM (CH3000)**

**CX3002**  
**COMMUNICATIONS MODULE**



## FEATURES

- SNMP proxy agent monitors modules in CH3000 Chassis and external equipment
- 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 upgradeable software



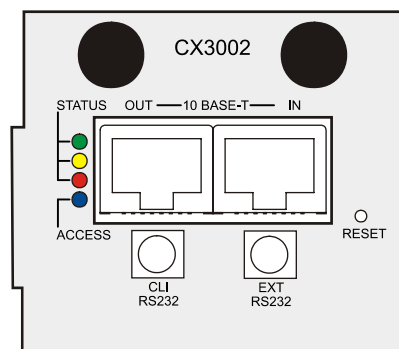
## PRODUCT OVERVIEW

The CX3002 Communications Module supports the remote configuration and monitoring of modules in the CH3000 Chassis, and monitors the chassis mid-plane alarm line. Mounted on top of any power supply module, it does not require a dedicated slot in the chassis. The CX3002 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 of status and configuration information for each active CH3000 module during runtime.

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
<b>Physical</b>	
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)
<b>Environmental</b>	
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
<b>Power Requirements</b>	
Input voltage (from chassis mid-plane)	12 V <sub>DC</sub> (400 mA)
Power consumption	5 W
<b>General</b>	
Hot plug-in/out	
Management interface	RJ-45 (2 10BaseT ports)
<b>Ethernet Ports</b>	
Connector type	8-pin RJ-45 (2 connectors, IN and OUT)
Cable length	328 ft (100 m), CAT-5 compliant
Speed supported	10 Mbps (full duplex)
<b>Front Panel</b>	
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 pushbutton	soft reset and configuration reset
Status LEDs	<ul style="list-style-type: none"> <li>Green = OK</li> <li>Yellow = non-service-affecting alarm (or alarm history present)</li> <li>Red = service-affecting alarm</li> </ul>
ACCESS LED	<ul style="list-style-type: none"> <li>Access = Blue (communications active with chassis <span style="float:right">mid-plane</span>)</li> </ul>
Port LEDs	<ul style="list-style-type: none"> <li>LINK = Green</li> <li>Activity = Amber</li> </ul>

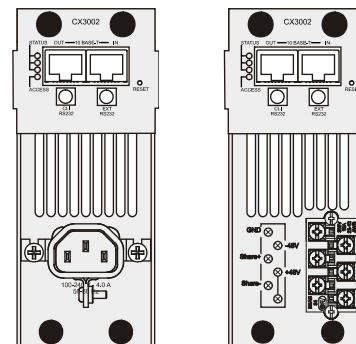


ORDERING INFORMATION

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Communications Module

The CX3002 Communications Module can be installed in either power supply back plate BP-P1 or BP-P2.



RELATED PRODUCTS

CH3000 Chassis	Optical Passives
Digital Return	Optical Patch Cords
BP Back plates	Installation Services

**Note:** Specifications are subject to change without notice.

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