aurora NETWORKS

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 Aurora's Opti-Trace family of management software and third party software over a standard IP network
- Two 10BaseT 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 module from rear of chassis)
- Hot plug-in/out
- Field upgradeable software

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 Aurora'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 Aurora'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.

The CX3002 also provides automatic healing so that power-down failure will not affect communications within a daisy-chain of remaining CX3002s; in this scenario, management traffic will simply loop through the failed module.

CX3002 Product Specifications

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: –20º to +65ºC (–4º to 149ºF)
- Storage temperature range: –40º to +85ºC (–40º to 185ºF)
- Humidity: 5% to 95% non-condensing

Power Requirements:

- Input voltage (from chassis mid-plane):

  12 V_{DC} (400 mA)
- Power consumption:

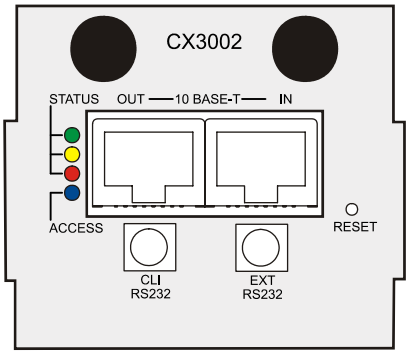
  5 W

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 (full 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 pushbutton: soft reset and configuration reset
- Status LEDs:

  Green = OK

  Yellow = non-service-affecting alarm (or alarm history present)

  Red = service-affecting alarm
- ACCESS LED

  Access = Blue (communications active with chassis mid-plane)
- Port LEDs

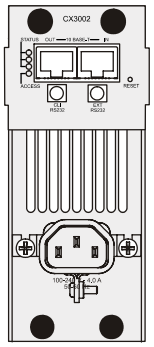
  LINK = Green

  Activity = Amber

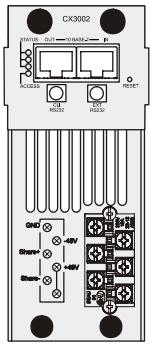
Ordering Information

C	X	3	0	0	2

Communications Module



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



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