

FEATURES

- Supports CommScope's Opti-Trace family of management software and third-party software over a standard IPv4 network, with optional IPv6 support
- Two 10/100/1000 Mbps ethernet ports; second port supports daisy-chaining of CX3003C modules in multiple chassis
- 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
- Zero-slot form factor; no additional dedicated chassis slot required as module mounts on top of any power supply from rear of chassis
- Hot plug-in/out
- Field upgradable software

The CX3003C Enhanced 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. The CX3003C does not require a dedicated slot in the chassis; instead, it is mounted on the back-end of the chassis above any PS3xxx power supply module. The CX3003C also supports Web-based management of the CH3000 Chassis.

In addition to compatibility with CommScope's Opti-Trace® software, the module's SNMP proxy agent enables equipment monitoring and integration with other industry standard NMS solutions. The CX3003C may also be configured to send SNMP traps to warn operators of various alarm conditions. The CX3003C maintains a separate cache for retention of status and configuration information for all modules installed in the CH3000 chassis.

One of the CX3003C's two 10/100/1000BaseT ports is used to interface to a standard IP network. The second 10/100/1000BaseT port can be used to daisy-chain additional CX3003C modules to support monitoring of multiple chassis per site, thus reducing requirements for external hubs.



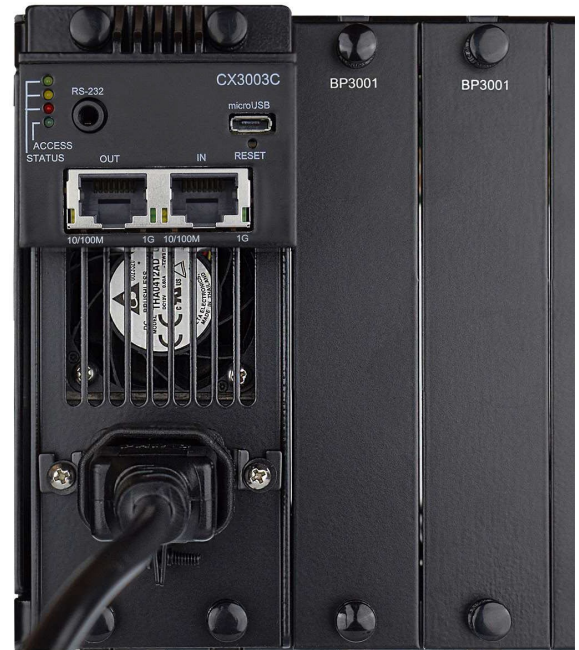
SPECIFICATIONS

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	0.6 lbs (0.27 kg)
Environmental	
Operating Temperature Range	-20° to +65°C (-4° to 149°F)
Storage Temperature Range	-40° to +85°C (-40° to +185°F)
Humidity	5% to 95% non-condensing
Power Requirements	
Input Voltage (from chassis mid-plane)	12 V _{DC}
Power Consumption	4 W
General	
	Hot plug-in/out
Management Interface	RJ-45 (Two 10/100/1000BaseT ports) Supports SNMPv1 and SNMPv2
Ethernet Ports	
Connector Type	8-pin RJ-45 (Two connectors, IN and OUT)
Cable Length	328 ft (100 m), CAT-5 compliant
Speed Supported	10/100/1000 Mbps (full duplex). Any port connected to a CX3002 is limited to 10 Mbps (half duplex).
Front Panel	
Status LEDs	<ul style="list-style-type: none">Green = OKYellow = 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">Yellow = indicates 10/100 Mbps LINK status and activityGreen = indicates 1000 Mbps LINK status and activity
Reset Push-button	Soft reset and configuration reset
RS-232 and micro-USB Ports	Reserved for factory use. RS-232 port uses a stereo jack style connector.

ORDERING INFORMATION

Model Name	Description
CX3003C	Enhanced Communications module for CH3000 chassis, plugs in above PS3000 Series Power Supplies, providing SNMP management.

The CX3003C Communications Module can be installed in either power supply back plate BP-P1 or BP-P2 above the AC or DC power supply module and does not require its own dedicated CH3000 slot.



RELATED PRODUCTS

CH3000 Chassis	Opti-Trace® OTS/EMS
DR3450N-00 Receivers	PS3006/PS3248 Power Supplies
BP Back Plates	Installation Services



Note: Specifications are subject to change without notice.

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87-10004-RevH_CH3000_Chassis