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N E T W O R K S

Features

- **2RU stackable without spacer requirement**

- **19" rack-mountable with brackets**

- **Slots for up to 16 SMART Media Converter modules**

- **Out-of-band management of SMART Media Converter modules using industry standard IEEE 802.3ah OAM**

- **Bi-directional bandwidth control at the chassis**

- **Network topology discovery**

- **System PING sweep capability**

- **SNMP management with CX2001B Management Module**

- **Redundant power supply options for 100–240 VAC or –48 VDC powering**

SMART Media Converter Chassis
with CX2001B Management Module

The model CH2016B series chassis from Aurora Networks offers a reliable, compact design for the installation, powering and management of up to 16 rack-mounted SMART Media Converter modules. All chassis modules and power supplies are hot-swappable. The high packaging density provided by the CH2016B makes it ideal for both headend and hub applications where rack space is at a premium.

The CH2016B chassis supports two redundant chassis powering options, accepting a 100-240 VAC input (model CH2016B-A-1) or a -48 VDC input (model CH2016B-D-1).

The CH2016B chassis includes one dedicated slot for SNMP-compliant integrated monitoring with the CX2001B Management Module.

Access Services Equipment

Physical:

- Dimensions:

  12.5" D x 3.5" H x 17.4" W (31.8 cm x 8.8 cm x 44.2 cm)
- Weight:

  22.0 lbs (10.0 kg) (fully populated)
- Slot Configuration:

  16 full-depth slots for media converter modules

  1 full-depth dedicated slot for management module

  1 full-depth dedicated slot for PS monitoring and chassis identifier
- General (EMI):

  FCC Class A and CE Mark

Environmental:

- Operating temperature range: 0º to +50ºC (32º to 122ºF)
- Storage temperature range: –40º to +85ºC (–40º to 185ºF)
- Humidity: 5% to 90% non–condensing

Electrical:

- DC power output (per slot): 1A @ 5 VDC
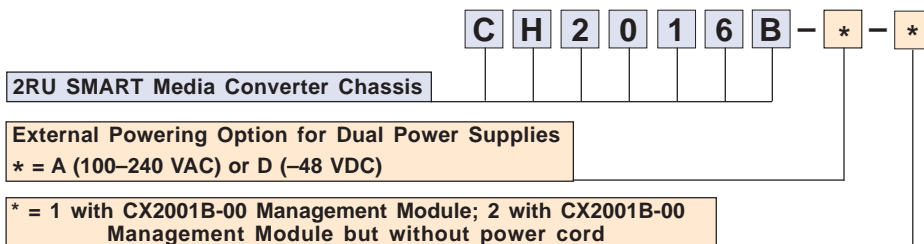- Supports hot swap and hot plug–in of modules

Powering Options:

- Supports dual redundant load-sharing power supplies
- AC powering (chassis model numbers CH2016B-A-1):

  Input level: 100–240 VAC

  DC output level: 127W @ 5 VDC
- DC powering (chassis model numbers CH2016B-D-1):

  Input level: –48 VDC

  DC output level: 127W @ 5 VDC

Management Features and Functions:

- Features:
  - Out-of-band management of SMART Media Converter CPE using industry standard IEEE 802.3ah OAM
  - Remote management via web browser or telnet
  - Two Ethernet ports on CX2001B Management Module for in-band management of daisy-chained chassis
  - Local console out-of-band management via RS-232 port
  - SNMP compliant
  - TFTP software upgrade for chassis and module
  - Supports real-time clock (RTC) and network time sync (NTP)
  - Supports time-stamped alarm event log and TFTP upload to remote server
  - Supports DNS
  - Supports DHCP client for dynamic IP assignment

- The CX2001B Management Module can manage/monitor the following:
  - Management configurations of chassis and modules (with TFTP import/ export of data)
  - Bi-directional bandwidth control
  - Network topology discovery
  - Remote loopback and PING
  - Traffic statistics (RMON)
  - Security configurations (*e.g.*, filter by IP range, connection type)
  - Complete diagnostics (built-in and user-initiated test)
  - Number of modules installed in the converter rack
  - The type of each converter module
  - The slot position where each converter module is installed
  - The UTP Port Link and Receive status of each converter module
  - The Fiber Port Link and Receive status of each converter module
  - The operation status of redundant power modules

Ordering Information

C H 2 0 1 6 B – * – *

2RU SMART Media Converter Chassis

External Powering Option for Dual Power Supplies
* = A (100–240 VAC) or D (–48 VDC)

* = 1 with CX2001B-00 Management Module; 2 with CX2001B-00 Management Module but without power cord

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