CR-1200: 12-Slot Smart Media Converter Chassis

Key Features

- Hot-swappable converter modules
- 1U chassis accommodates up to 12 slots for converter modules
- Supports fiber optic network OAM function for "Remote Failure Indication","Remote Monitoring", "Remote Configuration"and "Loop-back Testing" with TS-1000 mechanism
- Supports Web and CLI for management
- Supports SNMPv2C
- Support NTP for time sync
- 2 fans and hot-cool-down design to ensure the reliability of the chassis
  ---Chassis temperature indication
  ---Fan speed detection
- Management Board (CPU Module):
  ---Support two Ethernet ports for network management
  ---DB-9 RS232 interface for console
- Hot-swappable CPU module
- Hot-swappable redundant Power Supply with high reliability/safety
- Support Link Fault Pass-through (LFP) Function
- RoHS Compliance

Overview

The manageable box is a 19-inch Media Converter Chassis with cabinet height 1U(1.75 inches). It is designed to accommodate 12 units of various type of media converter module at a central location for multiple segments cross connection and network management. Any combination of Fast Ethernet and Gigabit Ethernet TP to Fiber solutions can be installed in a wiring closet for cable connection. The network management supports Web UI via browser, CLI via local console and Telnet interface. Models equipped with DC48V power unit are also available for Telecom applications.

Chassis Features

- The chassis has its own IP address, user name and password. In case of loss of username/password, a backdoor access will be available. It supports a forgetting username and password mechanism to login administrator right then reset the username and password.
- Supports CO site (in chassis) and CPE site media converter port status monitoring, configuration and TS-1000 function.(With FE-C130)
- Supports CO site media converter module ingress/egress bandwidth rating management
- Supports text-based text user interface with CLI via Telnet or RS-232 console serial interface
- Supports CLI for multi-port CPE devices for port configuration, CO/CPE fiber link loop back test and link failure trap event log.
- Supports Neutral web-based graphic user interface
- Supports Web UI for multi-port CPE devices for port configuration, CO/CPE fiber link loop back test and link failure trap event log.
- Supports MIB II, Enterprise MIB and SNMP Traps with SNMPv1 and v2c
- Supports SNMP MIB OID for CPE devices port configuration, port counter, CO/CPE fiber link loop back test and link failure trap event.
- Supports Management Security Configuration. It can filter connections by IP range, connection type - http, telnet and SNMP and filter action-accept or deny.
- Supports network time sync function with NTP and daylight savings
- Supports domain name address instead of IP address for NTP server and E-mail server setting
- Supports device name and location configurable function
- Supports SNMP access filtering for security, the SNMP set function could be disabled to limit the configurations be changed via SNMP set function
- Supports up to 6 trap / alarm hosts to receive the trap host and alarm message via mail and short message receiver
- Supports DHCP client for dynamic IP assignment
- Supports user account management, there are two level user authority
- Administrator User:
- Only one user is administrator authority in the chassis. The user could modify and look all configurations
- Guest User:
- The chassis could be set up to four guest authority users, the users could look configuration only, could not change configurations.
- Supports export trap log via TFTP protocol to backup the trap log data. There two method to export the trap log data
- Manual Driven:
- Export the trap log data via trap log export function in the web UI or CLI user interface
- Log Pool Full Driven:

Media Converter Rack Chassis & Module

- The maximum history log can be stored up to 160 entries. The history log data will be exported to TFTP server while the log pool was full.
- Supports CPU and converter module firmware upgrade, configuration data import/export and log data export via TFTP
- Supports diagnostic ping for the chassis to test an alive network device IP, the testing result included response time, nr. of packets and ping success rate.
- Supports chassis diagnostic for RAM, Flash, EEPROM, temperature and fan detection
- Supports auto logout, user can adjust the Auto-Logout time in minutes.

Technical Specifications

- **Standards Compliance:**
  IEEE 802.3, IEEE 802.3u, IEEE 802.3z, IEEE 802.3x
- **Management Port:** Two management 10/100M UTP ports dedicated tomanagement at CO and CPE site.
- **Console Port:** DB9 console port
- **Input Power:** Two Loading balanced redundant power: 85W
- **Power Consumption:** Min6.5W, Max42W
- **Cooling Fan:** 2 fans enabled (FAN status monitoring)
- **Temperature Detector:**
  Temperature sensor to detect case inside temperature
- **Flash:** 2M bytes
- **CPU Main Memory:** 16M bytes
- **LED Display:**
  - Management LED: Link/Act, Power A/B, CPU Run
  - Converter:
    TP Port : Link/Activity/Speed(10/100Mbps), Power
    Fiber Port : Link/Activity
    Power Status
- **Environmental Temperature:** Operating: 0 ~ 40℃, Storage: -20℃ ~ 70℃
- **Humidity:** 5% ~ 95%
- **Dimensions:** 445.6W x 347.2D x 45.4H mm
- **Emissions:** Complies with FCC Part 15 Class A & CE Mark Approval

Ordering Information

CR-1200RAC	12-Slot Smart Media Converter Chassis with Dual AC Input Redundant Power Supply
CR-1200RDC	12-Slot Smart Media Converter Chassis with Dual DC Input Redundant Power Supply
CR-1200RADC	12-Slot Smart Media Converter Chassis with AC+ DC Input Redundant Power Supply
CR-1200AC	12-Slot Smart Media Converter Chassis with Single AC Input Redundant Power Supply
CR-1200DC	12-Slot Smart Media Converter Chassis with Single DC Input Redundant Power Supply
CR-2020-P01	1U AC Power Module (for CR-2326M, CR-1200)
CR-2020-P02	1U DC Power Module (for CR-2326M, CR-1200)

Related Ordering Information

10/100Base-TX to 100Base-FX Converter Module for CR-1200	
EM-C201SC	10/100Base-TX to 100Base-FX Converter Module, SC Multi-Mode
EM-C201ST	1 0/100Base-TX to 100Base-FX Converter Module, ST Multi-Mode
EM-C201SC.S05	10/100Base-TX to 100Base-FX Converter Module, SC Single-Mode 5Km
EM-C201SC.S20	10/100Base-TX to 100Base-FX Converter Module, SC Single-Mode 20Km
EM-C201SC.S40	10/100Base-TX to 100Base-FX Converter Module, SC Single-Mode 40Km
EM-C201SC.S60	10/100Base-TX to 100Base-FX Converter Module, SC Single-Mode 60Km
EM-C201BS5.S20	10/100Base-TX to 100Base-FX Converter Module, Bidi SC Single-Mode 20Km, 1550nm
EM-C201BS3.S20	10/100Base-TX to 100Base-FX Converter Module, Bidi SC Single-Mode 20Km, 1310nm
EM-C201BS5.S40	10/100Base-TX to 100Base-FX Converter Module, Bidi SC Single-Mode 40Km, 1550nm
EM-C201BS3.S40	10/100Base-TX to 100Base-FX Converter Module, Bidi SC Single-Mode 40Km, 1310nm
EM-C201BS5.S60	10/100Base-TX to 100Base-FX Converter Module, Bidi SC Single-Mode 60Km, 1550nm
EM-C201BS3.S60	10/100Base-TX to 100Base-FX Converter Module, Bidi SC Single-Mode 60Km, 1310nm

1000Base-T to 1000Base-X Converter Module for CR-1200	
GM-C312SC	1000Base-T to 1000Base-X Converter Module, SC Multi-Mode
GM-C312SC.S10	1000Base-T to 1000Base-X Converter Module, SC Single-Mode 10Km
GM-C312SC.S30	1000Base-T to 1000Base-X Converter Module, SC Single-Mode 30Km
GM-C312SC.S50	1000Base-T to 1000Base-X Converter Module, SC Single-Mode 50Km
GM-C312BS5.S20	1000Base-T to 1000Base-X Converter Module, Bidi SC Single-Mode 20Km, 1550nm
GM-C312BS3.S20	1000Base-T to 1000Base-X Converter Module, Bidi SC Single-Mode 20Km, 1310nm

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