RUBYTECH — Networking & Communications

CR-2600

CR-2600: Advanced Managed 16-Slot Chassis for Modular Media Converter

Key Features

Intelligence in the Network

Networks of today are evolving to address two new developments at the network edge:

- Introduction of bandwidth-intensive applications
- Expansion of highly sensitive data on the network

These new demands are contending for resources with many existing mission-critical applications. As a result, FTTx professionals must view the edge of the network as critical to effectively manage the delivery of information and applications.

As broadband network communities and buildings increasingly rely on networks as the strategic business infrastructure, it is more important than ever to ensure their high availability, scalability and control. By adding intelligent Ethernet fiber media converter chassis functionality to the wiring closet, carrier can now deploy network-wide intelligent services that address these requirements in a consistent way from the CPE site to the CO site and through the fiber channel.

Overview

CR2600-The managed Ethernet fiber media converter chassis is a 19-inch chassis with cabinet height 2U (3.50 inches). It is designed to accommodate 16 units of various type of media converter module at a central location for multiple segments cross connection and network management. Any combination of Ethernet, Fast Ethernet and Gigabit Ethernet TP to Fiber solutions can be installed in a wiring closet for cable connection. The network management supports Web browser, local console

Chassis Features

- Provides chassis base with 16 slots on CO site for subscriber
- Supports CAT5 to Fiber and Fiber to CAT 5 pair converter
- Supports Multi-mode and Single-mode fiber module for different transmission distance requirement such as 20km, 40km, 60km,···, etc
- Supports WDM to enable TX and RX bi-direction full duplex on a single fiber.
- Supports full speed non-blocking on each module inter-working with CPE site converter
- Provides SNMP agent for NMS management
- Supports MIB II, RMON I, Enterprise MIB with SNMPv1/v2c and SNMP Traps
- Supports 6 trap/alarm hosts
- Supports configurable SNMP Get/Set/Trap community name and port numbers
- Supports modules status information for management by Web UI and CLI for the unit power status, module type and port link status of each media converter module
- Supports Web UI easy-to-use point and click user interface by photographic quality interface to configure and monitor the device
- Supports fully function parameters setting with Command Line Interface (CLI) In-band and out-of-band remote telnet CLI management
- Local console management with VT100 via RS232 port
- Supports Management Security Configuration. It can filter connections by IP range, connection type-http, telnet and SNMP and filter action-accept or deny
- Supports forget username/password mechanism when user login more than 3 times with incorrect Username and Password. System will prompt the Serial Number display asking for cracked code
- Supports hardware, external loopback, fiber remote loopback diagnostics function
- Supports connection information for each slot to keep CPE site customer information (Username, Where to, Contact, Phone Number, E-Mail and Description for others) (Keep Data on CO Site by Slot No. and Chassis ID)
- Supports Remote Failure indication, Remote Loopback and Link Monitoring IEEE 802.3ah OAM function
- Supports hot-swap converter modules
- Supports hot-swap and loading-shared redundant power units, each can be DC or AC, Independent power input for each power modules
- Hot-swappable and upgradeable management CPU module
- Supports two Ethernet ports for in-band management
- Supports one RS-232 port for out-of-band management
- Supports Real-Time Clock (RTC)
- Supports three monitored fans for chassis cooling

and Telnet interface. Models equipped with DC-48V power unit are also available for Telecom applications.

· Power monitor (absent/present, ON/OFF, DC/AC), fans monitor and temperature monitor
· Supports chassis temperature detection with selectable F/C degree
· Supports configurable device name, location and chassis ID (CID) for device manager easy to find out device location
· Supports DHCP client for dynamic IP assignment
· Supports Domain Name Service (DNS)
· Supports network time sync with NTP and daylight savings
· Supports firmware upgrade with TFTP
· Supports user management and all events log max. up to 160 entries
· Supports logon/logoff notification alarm events
· Supports system log file upload to remote server with TFTP selectable
· Supports configuration data import/export with TFTP selectable on Web UI/ CLI/ SNMP management
· Supports Web UI/CLI auto logout function. User could adjust the auto-logout time interval
· Supports both IP-aware and IP-less remote CPE devices managed by chassis management interface
· RoHS Compliance
· Certification: FCC Part 15 Class A & CE Mark
· Safety: UL

Ordering Information

CR-2600RAC	16-Slot Managed Media Converter Chassis with Dual AC Input Redundant Power Supply
CR-2600RADC	16-Slot Managed Media Converter Chassis with AC+DC Input Redundant Power Supply
CR-2600RDC	16-Slot Managed Media Converter Chassis with Dual DC Input Redundant Power Supply
CR-2600AC	16-Slot Managed Media Converter Chassis with Single AC Input Redundant Power Supply
CR-2600DC	16-Slot Managed Media Converter Chassis with Single DC Input Redundant Power Supply
CR-2600C-P01	CR-2600C Single AC Power
CR-2600C-P02	CR-2600C Single DC Power

Media Converter Rack Chassis & Module