

The Management Module provides the brain of the Chassis systems (MCR116) for nnectStar's media converter family. It features a 32-bit, high performance RISC microprocessor executing a real-time operating system. It supports the SNMP Manage, WEB-base management and console management.

During normal operation, the MCB100 polls all converters and power supplies within its domain each fresh time which is software configurable, collecting status and module information as well as setting required parameters. It reports its collected status via the SNMP, WEB, Telnet or Console.

The MCB100 is password protected to prevent unauthorized access. New module software updates to the MCB100 can be downloaded during normal network operation via web or tftp.

Features

MCB100 Network Management Module

- One 10/100Mbps Fast Ethernet port and one RS-232 port for management
- Web-based management via Http on the out -of-band 10/100M Fast Ethernet port
- Real-time display the link, speed, duplex status of media converters.
- Menu-driven terminal management through the console port or Telnet
- Support SNMP v.1 Agent Management with MIB-2 and enterprise MIBs
- Support cold start, warm start, authentication fail, power fail, fan fail, module insertion, module pullout, port link down and port link up traps
- Firmware update download as well as configuration setting upload and download through tftp or web update
- Support factory reset and remote software reboot
- Support redundant backup of media converter
- Remote set the configurations of Smart Media Converter module, like LLCF enable, LLR enable, port enable, auto-negotiation enable, etc.



MCR116 19" Chassis Systems for housing up to 16 Media Converters

- Provides housing for up to 16 media converters
- Front panel LED indications
- Standard 19" rack-mount size, 2U height
- Hot Swappable, Easy & quick replacement of converters and power supplies
- Provides two cooling fans to ensure good ventilation
- Two redundant power supplies with load-sharing to ensure non-stop reliable operation
- Power isolation design with converter bays: ensures each bay is electrically isolated from each other
- Provide an optional management module (MCB100) for upgrading chassis systems



Management

Chassis

- | | |
|----------------|-----------------|
| ✓ Part Number | ✓ Revision |
| ✓ Description | ✓ Chassis Reset |
| ✓ Power status | |

Converter Module

- | | |
|-----------------|------------------|
| ✓ Link Status | ✓ Converter Type |
| ✓ Slot Occupied | ✓ Part Number |
| ✓ Revision | |

Alarms

- | | |
|--------------------------|------------------------|
| ✓ Cold Start | ✓ Warm Start |
| ✓ Link Up | ✓ Link Down |
| ✓ Authentication Failure | ✓ Power Supply On/Off |
| ✓ Power Supply Inserted | ✓ Power Supply Removed |
| ✓ Module Insertion | ✓ Module Removal |
| ✓ Module Unknown | ✓ Module Failure |

Active Control

- | | |
|-------------------------------------|--------------------|
| ✓ Link Loss Carry Forward | ✓ Link Loss Return |
| ✓ Module Name | ✓ IP address |
| ✓ Reset Module | ✓ Redundant Backup |
| ✓ Download software via tftp / http | |
| ✓ Subnet Mask | |
| ✓ Default Gateway | |
| ✓ Telnet to Console Commands | |

Specifications

Protocols

- | | |
|--------|--------|
| ✓ IP | ✓ UDP |
| ✓ SNMP | ✓ TCP |
| ✓ TFTP | ✓ ARP |
| ✓ ICMP | ✓ HTTP |

Diagnostic LEDs

- ✓ Power1, 2,
- ✓ Power Fail 1, 2
- ✓ Fan Fail 1, 2
- ✓ MGM
- ✓ Console
- ✓ Link / Activity

Dimensions (W x D x H)

- ✓ 120 x 88 x 25 mm

Temperature

- ✓ Operating: 0 ~ 40 °C
- ✓ Storage: -25 ~ 70 °C

Humidity

- ✓ Operating: 10% ~ 90% RH
- ✓ Storage: 5% ~ 90% RH

Emission

- ✓ FCC Class A
- ✓ CE mark Class A
- ✓ VCCI-A

Ordering Information

CS-MCR-MCB100 Network Management Module for Media Converter Chassis system

CS-MCR116 19" Chassis System for housing up to 16- Media Converters

CS-MCR-RPS150 90-260V AC Redundant Power Supply

CS-MCR-PS48 48V DC Redundant Power Supply