

RP-MCSNMP

Network Management Module

The Management Module provides the brain of the Chassis systems (RP-MCR116) for RP-1000 series & RP-110 series 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 RP-MCSNMP 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 RP-MCSNMP is password protected to prevent unauthorized access. New module software updates to the RP-MCSNMP can be downloaded during normal network operation via web or tftp.



Feature

- One 10/100/1000Mbps Gigabit Ethernet port and one Console port for management
- Web-based management via Http on the out-of-band 10/100/1000M Gigabit Ethernet port
- Real-time display the link, speed, duplex status of media converters.
- Command terminal management through the console port or Telnet
- Support SNMP v1/v2/v3 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.

Specification

Standards		<ul style="list-style-type: none"> • IEEE 802.3 10BASE-T • IEEE 802.3u 100BASE-TX • IEEE 802.3ab 1000BASE-T • IEEE 802.3x Full Duplex Flow Control
Interface		<ul style="list-style-type: none"> • 1 x 10/100/1000BASE-TX with RJ-45 connector • 1 x CLI configuration with RJ-45 connector
Network Media		<ul style="list-style-type: none"> • 10BASE-T: 2-pair UTP Cat. 3,4,5, up to 10Mbps • 100BASE-TX: 2-pair UTP Cat. 5, up to 100Mbps • 1000BASE-T: 4-pair UTP Cat. 5, up to 1000Mbps, Recommend Cat5E for Gigabit Operation
Data RAM Buffers		<ul style="list-style-type: none"> • 4.1Mbits
Protocol		<ul style="list-style-type: none"> • IP • UDP • SNMP • TCP • TFTP • ARP • ICMP • HTTP
LED Indicators		<ul style="list-style-type: none"> • Power1, 2, • Power Fail 1, 2 • Fan Fail 1, 2 • MGM • Console • Link / Activity
Management	Chassis	<ul style="list-style-type: none"> • Part Number, Revision, Description, Chassis Reset, Power status
	Converter Module	<ul style="list-style-type: none"> • Link Status • Converter Type • Slot Occupied • Part Number • Revision
	Alarms	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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
		<ul style="list-style-type: none"> • Support Half/Full-Duplex operations <ul style="list-style-type: none"> ■ IEEE 802.3x Flow Control support for Full-Duplex mode ■ Back Pressure for Half-Duplex mode ■ Head-of-line blocking prevention • Support manual/auto MDI/MDIX configuration • Support Auto-Negotiation for each port
Power Consumption		<ul style="list-style-type: none"> • 3W (max.)
Environment		<ul style="list-style-type: none"> • Operating Temperature: 0°C ~ 50°C • Operating Humidity: 10% ~ 90% (Non-Condensing)
Certification		<ul style="list-style-type: none"> • FCC, CE

Ordering Information

RP-MCSNMP Network Management Module for RP-MCR116