

Management Hardware



- Supports NetBeacon and WebBeacon Element Manager Software
- CLI, FTP, and telnet interfaces
- SNMP agent for all Metrobility chassis-based systems
- RADIUS client
- PING client and server

Management Card

The management card is the SNMP agent for Metrobility® Radiance and Lancast® chassis-based systems. Connected through the backplane to other modules in the chassis, the management card gathers statistical information for use by Metrobility's NetBeacon® or WebBeacon™ software, or any SNMP application. The management card requires one slot in the chassis.

The management card offers a command line interface to enable network managers to communicate with the card through familiar commands such as 'set,' 'show,' etc. The management card also provides the ability for FTP software upgrades and telnet capabilities for added flexibility.

Developed for the Radiance Optical Ethernet System, the R502-M supports all Metrobility chassis and both access line cards and interface line cards. The R502-M offers a 50MHz processor and 16Mbytes memory. Each Ethernet interface has a unique IP address and subnet mask, and the management software can access all MIB data through either interface. The second interface can be connected to a stack of up to four chassis via an external hub.

Compliance (R502-M)

Internet Protocol RFC 791
Address Resolution Protocol RFC 826
SNMP v1, v2c, v3
MIB-II RFC 1213
Boot Protocol (BOOTP)
File Transfer Protocol (FTP)
Reverse Address Resolution Protocol
UL, CSA, CE
FCC Part 15, Class A
EN55022 Class A (emissions)
EN55024: 1998 (immunity)
DOC Class A (emissions)
NEBS Level 3

Compliance (R104-11)

UL, CSA, CE, CB
FCC Part 15, Class A
EN55022 Class A (emissions)
EN55024: 1998 (immunity)
DOC Class A (emissions)
NEBS Level 3



Hardware requirements

The management card and chassis stacking line card each require one slot in the following Metrobility chassis

R5000-17HS	17-slot chassis, rack-mountable
R1000-xxx	2-slot chassis, rack-mountable
R400-02HS-1A	2-slot chassis

Order

R502-M

R104-11

Description

Management Card
(One DB-15 and two RJ-45 connectors)

10/100 TX 4-Port Chassis Stacking Line Card
(four RJ-45 connectors)



- 4-port switch
- Enables up to 7 chassis in chained configuration
- Auto-negotiation duplex and speed

Chassis Stacking Line Card

Metrobility's four-port chassis stacking line card is designed to accommodate users who need to stack Metrobility chassis without the use of an external hub or switch. When configured for stacking in a Metrobility chassis, the card eliminates the need for any external equipment. This means the network administrator has one less piece of networking hardware to manage and monitor.

The stacking line card enables up to 7 chassis and 109 remote sites (using Access Line Cards) to be managed under a single IP address. This ability provides visibility and remote software control over the entire stack, along with notification of a problem or failure to the network administrator. In a stacked configuration, the 'master' chassis must have a chassis stacking line card and an R502-M management card.

The stacking line card auto-negotiates 10/100 connections and provides four (4) RJ-45 interfaces. Three (3) cards are required in chained configuration for stacks greater than four chassis. Each 10/100Mbps Ethernet port supports auto-negotiation of both duplex and speed, as well as half and full duplex flow control. Additionally, each port includes automatic cross-over functionality, which eliminates the need for crossover cables, for easier network setup.