Telco Systems
A BATM Company

Metrobility® WebBeacon

Superior Web-based Network Management

Product Highlights

- Embedded in the Metrobility management line card

- Supports the complete line of Metrobility services line cards and interface line cards

- Detailed views of:
  - System information
  - Chassis monitoring
  - Management module monitoring
  - Console logs
  - Trap log

- Interface fields for:
  - Device configuration
  - Module configuration
  - Trap configuration

The Metrobility® WebBeacon Element Management System by Telco Systems® is a browser-based element and service provisioning software enabled through an embedded kernel which resides on the management card. WebBeacon provides an efficient, user-friendly way to configure and manage all Metrobility chassis installed on a single network. The network administrator can use WebBeacon as an alternative to the CLI typically used to configure and operate network devices.

Using the WebBeacon EMS, network managers can access individual managed devices remotely, adjust operating parameters quickly and even switch hardware settings from any location at any time. All platform configuration updates, maintenance, and diagnostics can be performed remotely through a web browser. User-enabled traps based on extensive real-time MIB-II and Metrobility-specific MIB statistics — including alarm thresholds and notification procedures — enable early problem identification, fast fault isolation and proactive management to prevent problems before they affect end users.

The WebBeacon EMS supports complete remote monitoring and control for all of the Metrobility line cards when configured in a chassis with a R502 management card■

Chassis Details

Module Details

Network Statistics

Trap Log

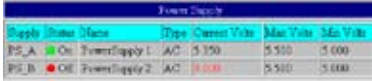# WebBeacon Features and Statistical Information

Chassis Information
Part Number
Serial Number
Date of Manufacture
Revision
Description
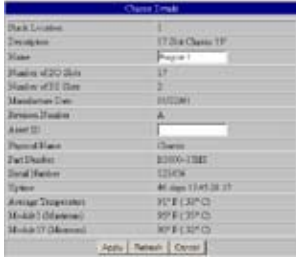
Chassis Status
Power Status
Power Output Voltage
Platform Temperature
Platform Reset

Port Information
Name
Type
Speed
Duplex mode
Auto-negotiation status

Port Status
Link stats
Link activity

Interface Line Card Status/Control
Backpressure
Full Duplex Flow Control
Diagnostic Status
Auto-Recovery
Management
   Image/Memory Information
   Temperature / voltage readings
   Telnet, FTP, HTTP server controls
Redundancy
   Secondary Switchover
   Active Port
   Auto Revert
   Link Pulse
   Transmission
   Mode Control
   SONAR

Alarms
Cold Start
Warm Start
Link Up
Link Down
Authentication Failure
Configuration Change
Platform Reset
Line Card Reset
Port Reset
Temp Out-of-Range
Power Supply Out-of-Range
Optical Power (Access Line Card)
Power Supply On/Off
Module/Power Supply Inserted
Module/Power Supply Removed
Redundant Switchover
Far End Fault
Remote Fault Alarm (Ethernet and TDM)
Port Speed Change
Port Link State Change (Ethernet and SONET)
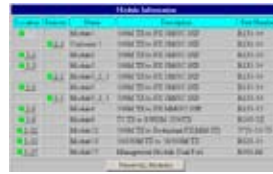
Active Control
Network Select/Dynamic Recovery Modes
Link Loss Carry Foward
Link Loss Return
Auto Revert to Primary, Transmit on Both, Link on Both
SONAR
Port/Line Card Name
Chassis Name, Location and Contact Information
IP Address
Alarm Threshold Setting
Reset Platform
Subnet Mask
Default Gateway
Telnet to Console Commands
Port State
Auto-Negotiation
Loopback
Backpressure,
Speed
Duplex

Access Line Card or Services Line Card Status/Control (dependent on card type)
Packet Types
Packet Sizes
Dropped Events
Error Packets
Multicast Packet
Broadcast Packet
Dynamic Bandwidth Provisioning
Loopback
Link Loss Return
Remote State
Port State
Optical Tx-Rx Power
Link Loss Carry Forward
Write Protection
Auto-Negotiation
Link Loss Carry Forward (SLC)
Back Pressure (SLC)
Port Flow control (SLC)
Port Management (SLC)

Ordering Information

Part Number	Description
R502-M	**Management Card** (One DB-15 and two RJ-45 connectors) WebBeacon is embedded in the Metrobility R502-M Management Line Card
R104-11	10/100 TX 4- Port Chassis Stacking Line Card (four RJ-45 connectors)
Hardware requirements	
R5000-17HS	17-slot chassis, rack-mountable
R1000-xxx	2-slot chassis, rack-mountable
R400-02HS-1A	2-slot chassiss

Features and Benefits
- Proactive network management from any supported network browser, such as Internet Explorer or Netscape
- Comprehensive monitoring and control for proactive management