PART OF THE
Media Links 100G Solution Ecosystem™

Network Management Software

Control Plane Orchestration

DATASHEET | Version 3.0

Description

Designed to manage all types of media networks, Media Links' newly enhanced ProMD-EMS 2.0 software delivers faster, smarter, and more flexible media service assurance and activation.

ProMD-EMS 2.0 makes the management of media services simple and easy by quickly setting up circuit connections, detecting and responding to network problems, and optimizing overall operation and performance.

Features & Benefits

- Media network monitoring
- Topology Visualization
- Network Fault Isolation
- Rapid service provisioning
- Parameter recording & event correlation
- User Rights / Access Management
- Customizable & Linkable Workspaces
- Enhanced parameter Filtering
- XY Routing Switcher Panel
- Centralized Client/Server design w/ redundancy
- Trap & Log Management
- Theme-able screens, configurable GUI
- Manage/Track Users and their activities
- Vendor independent
- Widespread Protocol Support
- Customizable GUI
- Northbound API

Example Applications & Use Cases

- Regional Carrier Class Media Delivery Networks
- Metropolitan Contribution/Distribution Networks
- Mission Critical Contribution Video Transport
- Studio Interconnects
- End-to-End Service Assurance & Provisioning

Related Products

MDP3020 MAX, MD8000
MDX Core & Aggregation Switches
MetroXPRESS

DATASHEET

ProMD-EMS
(Enhanced Management System)

ProMD-EMS enables you to monitor and manage complex environments more effectively than ever before, providing the most enhanced end-to-end network monitoring, provisioning and management system for broadcasters and service providers.

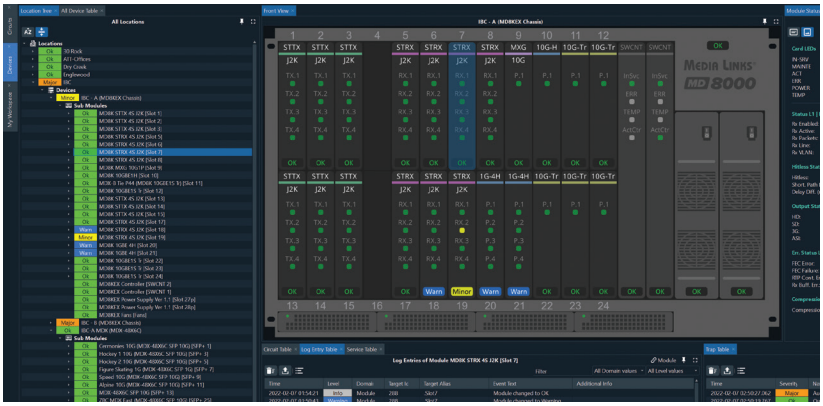
The software application provides a graphical overview of all elements and their associated status, presenting network operators with an easy to understand, intuitive visual display.

Network elements from different manufacturers can be grouped together or segmented as required, allowing device monitoring, service booking & scheduling, configuration control/setup, as well as performance and alarm management.

Designed to minimize user interactions, typically a small number of ProMD-EMS keystrokes are required to understand what's going on in the network and determine appropriate actions.

ProMD-EMS is scalable with the ability to drive multiple screens of different parameter views. It consists of a server (ComModule) and an easy to use GUI client component called NetManager.

The server component manages and stores all network information as well as system setups, and queues all tasks initiated by the clients. This guarantees that all administrators and operators have synchronized and updated information at all times from any location while ensuring tasks do not collide.



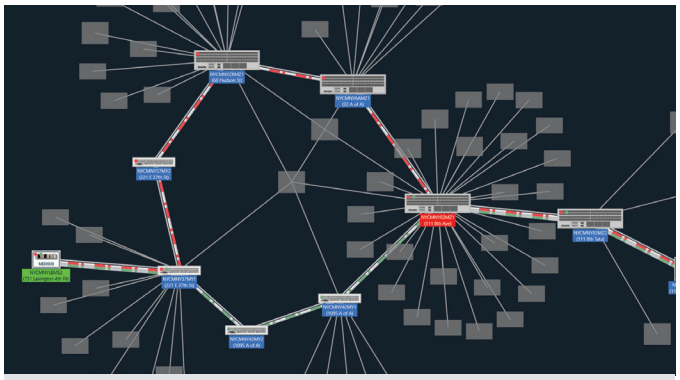
Dividing the network management software into server and client components, the control network and transmission network are separated from each other, completely securing the broadcast network environment. The server/client architecture provides for robust and secure element management in complex corporate environments. Any number of clients can be connected to the server giving full flexibility and scalability.

With ProMD-EMS every type of media service connection can be easily set up, scheduled, monitored and managed across networks large and small, supporting point-to-point as well as point-to-multipoint configurations.

This makes ProMD-EMS software ideal for the varied, dynamic nature of today's media-centric applications.

Rich graphical interfaces intuitively expose network service, event and status information, allowing operators to immediately and efficiently interact across the entire network workflow of services. ProMD-EMS provides visual views of networks, services, chassis and line cards. Start at a high level of visualization and then drill down to specific signal parameters to isolate and resolve issues fast.

A brief description of key functionality follows along with sample screen shots:



Topology View ▲

Geographical or logical depiction of locations and interconnections

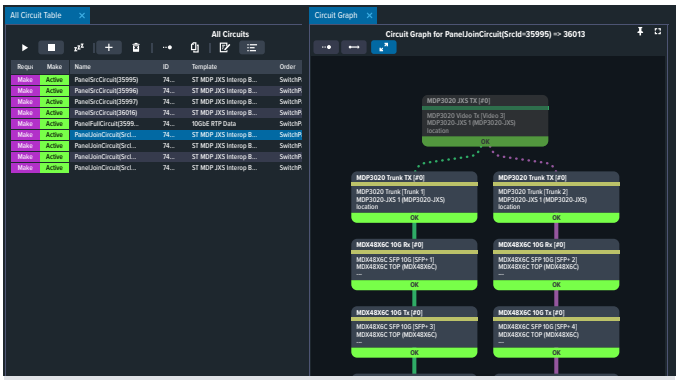
Device Grouping (by location, model #, etc)

Trunk status monitoring & capacity management

Color coding of network status/available capacity

Configurable icons for individual devices and groups

Support for locally hosted individual maps and OpenStreetMaps



Circuit/Service View ▲

Listing of all configured circuits/services

Create & modify services and circuit templates

Quickly find routes, provision, and switch services

Group by customer/event, etc

Actively monitor

Directly view circuit paths

Associate with incoming trap messages

Device View ▶

Displays status of all network deployed equipment

Simple graphical device view w/ relevant indicators

Related service(s) status

Device configuration interface

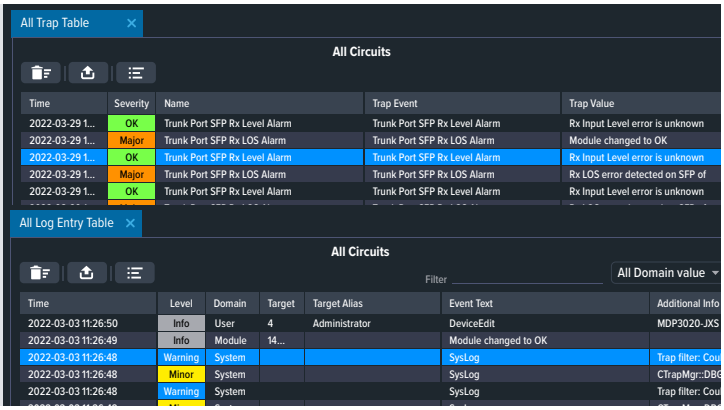
Resource availability overview

Device grouping by location

Inventory search by type, name, service, specification(s)

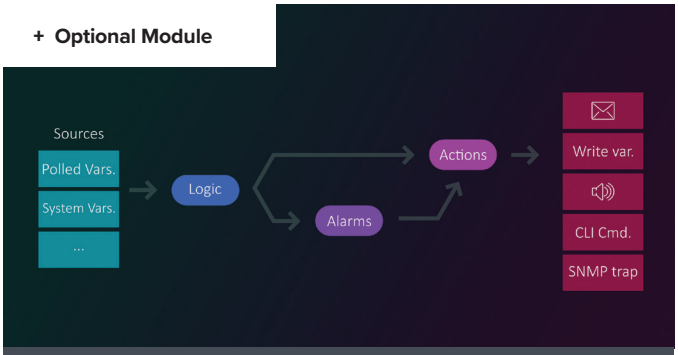
Log/Trap Views ▶

Shows incoming traps with key information
Visual indication of Trap Severity
Basic and advanced filtering capabilities
Logging of system and user activity
Export capable for external reporting
Support for individual trap inspection
Link traps to services



Turbo-charge your software your way with a rich library of Optional Modules

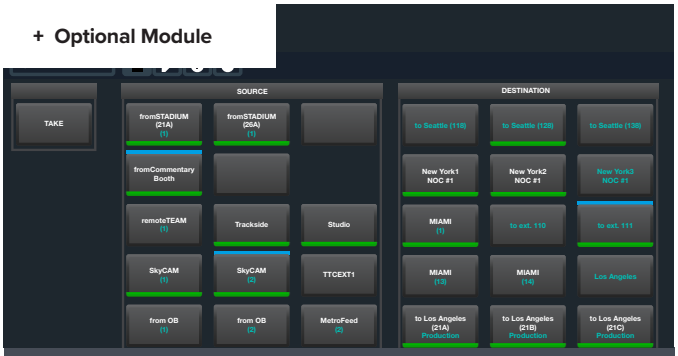
+ Optional Module



Event & Alarm Manager ▲

Trigger alarms based on device/system status
Trigger actions such as email notification, audible alarms, or active switchover to backup systems
Execute CLI commands to interface with external devices
Define alarms using logical expressions and time intervals
Attach comments for documentation purposes

+ Optional Module



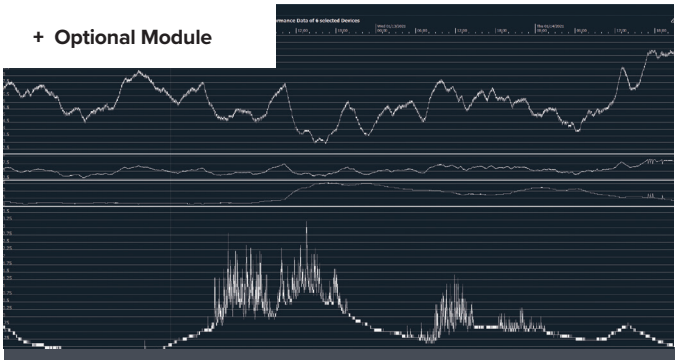
Software XY Routing ▲

Software based, configurable/scalable XY routing switcher

Rapid end-to-end media service switching (video, audio and/or data)

Source/Destination/Take operation (or reverse)

+ Optional Module



Performance Monitoring ▲

Collect & monitor specified parameters over time
Record, visualize and correlate data
Display utilization of various system components
Export data for post-processing (e.g. SLA reporting)

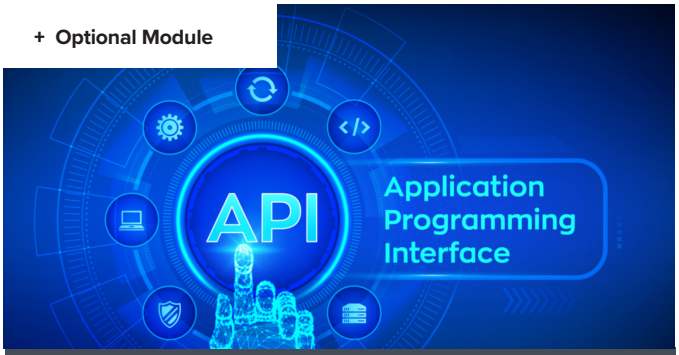
+ Optional Module

Redundancy-Failover Protection ▲
(Software option only. Server hardware sold separately)

Run core modules on multiple parallel synchronized servers w/ automatic failover protection switchover

Monitor redundancy state of individual modules

+ Optional Module



API ▲

Northbound Interface to 3rd party OSS, orchestration, billing or scheduling software

Reading/writing of parameters & configuration

3rd party service scheduling and provisioning

Optional Modules Sold separately. For information about this product visit www.medialinks.com for latest feature updates, enhancements, and system requirements.

Value of ProMD-EMS 2.0

Optimized especially for Media Service Delivery & Performance over IP Networks

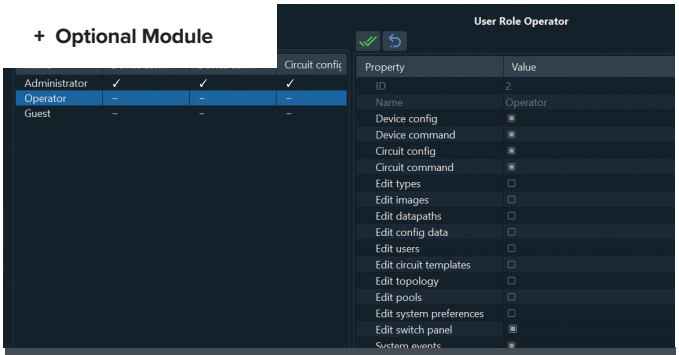
One common, comprehensive & secure platform (for Media Links and other 3rd party gear)

Service-Oriented design for faster setup, fault finding, and provisioning

Customizable/configurable to specific use cases

Visit the Media Links website for additional resource and a demo. www.medialinks.com

+ Optional Module



Advanced User Access ▲

Define Access rights for users, groups, locations, devices, circuits and orders

Differentiate between View, Write/Configure, System manage

Multiple definable access levels; allow or deny certain actions

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