

POWERFUL. VERSATILE. RELIABLE.



ClearView

Datasheet RMS ClearView Network Management Solution

ClearView NMS is a sophisticated and easy-to-use centralized network management system that provides configuration, monitoring and control of single or multiple Redline networks. This includes the AN-80i, RDL-3000 and RDL-2000 broadband wireless platforms, as well as multi-vendor network devices. It offers a rich visualization environment to quickly gauge network health without using complex or expensive monitoring equipment. ClearView NMS allows you to view wireless performance and traffic statistics, to create custom graphs and charts and to build a dashboard to monitor key network performance indicators at a glance.

AT A GLANCE

Optimized for 4G / LTE networks

Supports AN-80i, RDL-3000, RDL-2000 and third-party devices

Network discovery and mapping

Fault and alarm management

Device monitoring, configuration and provisioning

Inventory management

Network performance management

Scheduled bulk operations and tasks

Scalable from tens to thousands of devices

Northbound interface towards OSS/BSS systems

Security and users management

ClearView NMS is easy to deploy and runs on most Windows®, UNIX® and LINUX® operating systems. The strong network discovery capability quickly locates all devices throughout the network and presents them in an easy-to-read topology map. Clicking on a device on the map reveals its status and performance indicators and allows you to drill down to view detailed device configuration parameters.

Operators can use the dialog-based interface, the multiple-stage wizard interface or any Internet Explorer or Firefox web browser to access ClearView's traffic visualization and management functions. Authenticated log-ins, user permission profiles and auditing of all user actions ensure a secure operation. An easy-to-use client application can create customized views. A northbound interface (NBI) allows data exchange with existing Operations Support Systems (OSS) and Business Support Systems (BSS).

ClearView NMS provides a full suite of provisioning and configuration tools in addition to backup and restore tools. Additionally, it supports device software upgrades via a built-in scheduler for planning upgrades at any time, such as during the night when network usage is minimal.

The system continually polls monitored devices for their real-time status, which can be viewed on different topology maps. It saves all statistics, events and alarms in its database server to complement real-time analysis with historical analysis and to assist with capacity planning.

Event and fault management notifications are sent when important status changes occur such as receive signal strength exceeding a threshold level

or a link going down. ClearView NMS provides full-featured event and fault management functionality with user-defined filtering and sorting to quickly identify problems. It can forward detected events or alarms to the northbound interface (NBI) or it can be configured to send out e-mail alerts.

ClearView NMS can be integrated with most major database servers, such as Oracle, Microsoft SQL Server, MySQL and Sybase. For high availability applications, ClearView NMS is available in hot-standby configurations with co-located or physically separated hardware platforms.

ClearView NMS is more than a traditional network manager. Its powerful visualization tools, its software management tools and its ease of use makes ClearView NMS invaluable in the management of broadband wireless networks.

REDCARE SUPPORT

Redline's products are backed by RedCARE, one of best support programs in the industry, providing responsive customer and solution support everywhere that Redline's products are available. RedCARE ensures consistent, broadband wireless connectivity for our customers.

ABOUT REDLINE COMMUNICATIONS

Redline Communications (www.rdlcom.com) is a leading provider of specialized broadband wireless systems used to cost-effectively deploy distributed applications and services. Redline systems are used by local and state governments to quickly and easily deploy or extend their public safety networks; by oil and gas companies to connect their digital oil fields; by service providers and enterprises to bring dedicated Internet access to business users; and by the military to rapidly deploy secure networks. For more than 10 years, Redline has been delivering powerful, versatile and reliable wireless solutions through certified partners in the Americas, the Middle East, and Africa.

TECHNICAL SPECIFICATIONS

Elements Supported	AN-80i, RDL-3000, RDL-2000, SNMP-based devices
User Interfaces	ClearView Client Web Browser – Internet Explorer, Firefox
User Views	Topology Tree by Subnet, Groups, Location Geomaps with Google Earth® API Logical Network
Configuration Management	Auto Discovery of Network Devices Bulk Templates Forms Provisioning Configuration Backup and Restore Software Image Upgrade
Event and Fault Management	Alarm and Events Filtering and Sorting Alarm Severity Assignment Profiles Alarm Configuration Alarm Types with Threshold Crossing Alerts (TCA) Alarm Forwarding and Notification
Performance Management	Performance Threshold Crossing Alerts Performance and Diagnostic Dashboards Chart or Table View Storage and Retrieval
Inventory Management	View by Devices, Sites, Third Party All Main Attributes
Security Management	User Authentication Management User Session Logging
Reporting	Print View Export to CSV
NBI	SNMP v1/v2c/v3CORBA X-RPC (XML over RPC) Web Services HTTP/HTTPS
System Requirements	Server Microsoft Windows 2000/2003/2008 Server Linux Red Hat, CentOS and Ubuntu Sun Solaris 10 Client Microsoft Windows XP/Vista/WIN7 Red Hat and Ubuntu Linux Microsoft Internet Explorer 7/8 Mozilla Firefox 3
Hardware Requirements	Up to 200 devices/100 links CPU – Intel Pentium i7 2.66GHz Memory – 4GB SDRAM DDR3 Disk – 100GB/7500RPM 1Gb Ethernet Interface 200+ devices CPU – Dual Intel Xeon 5600 Memory – 8/16GB SDRAM DDR3 Disk – 500GB SAT/10000RPM Dual 1Gb Ethernet Interface Redundant 400W Power Supply

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