



PolyView™

Network Management System for Wireless Backhaul Networks

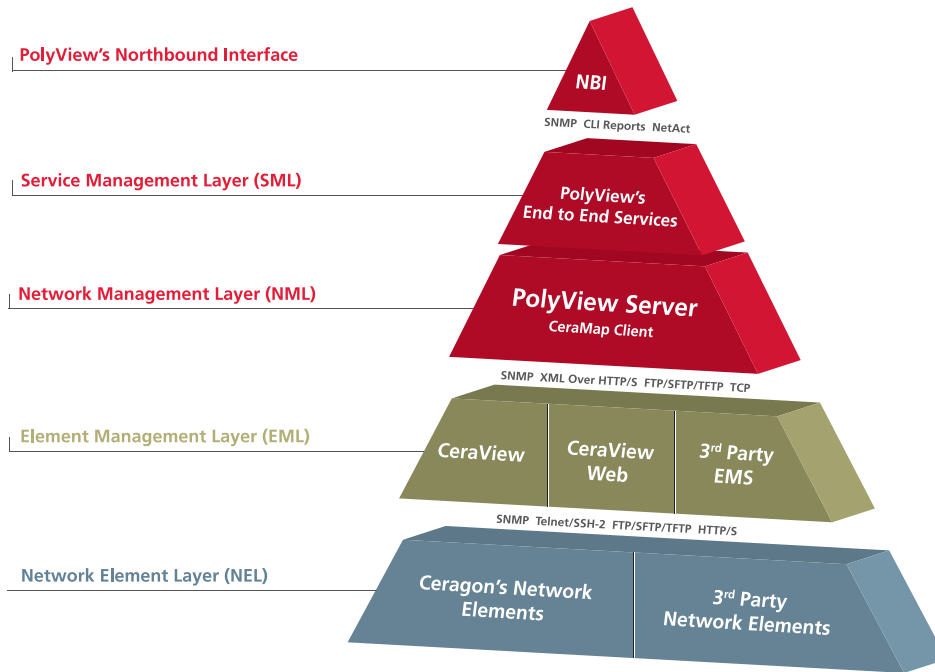
PolyView™ is Ceragon's innovative, user-friendly Network Management System (NMS) designed for managing large scale wireless backhaul networks. PolyView provides enhanced system functionality and comprehensive network management for current and legacy radios, including FibeAir IP-10 and Evolution Series radios. Built on powerful platform, PolyView offers users a comprehensive set of management functions to provide maximised network uptime and reduce operational costs.

Optimized for centralized operation and maintenance of a complete network, PolyView provides network operators and service providers with straightforward remote access to all NMS functions. PolyView's powerful and intuitive graphical interface enables users to easily manage and maintain the network, including functionality for managing faults, performance, end-to-end configuration, and system security.

Highest Operational Efficiency

- **Reduced operational costs**
End-to-end provisioning, group configuration
- **Faster & easier network maintenance**
Network View, User-friendly GUI
- **Quick and easy network troubleshooting**
Comprehensive FCAPS support, easier root analysis
- **Greater network availability**
Complete redundancy & backup functionality
- **Smooth platform integration**
Field proven, interoperable, multi-platform





Ceragon Architecture Management Concept

Overview

PolyView provides an easy to comprehend and easy-to-use network view with unique, up-to-date NMS features presented in a user-friendly GUI. PolyView provides a range of system functionalities, including an easy auto-discovery feature, intuitive configuration procedure, daily maintenance with advanced report interface, software download capabilities, and simple methods to investigate system faults.

PolyView supports the Ceragon FibeAir products such as FibeAir IP-10 family and FibeAir 1500R. It complements Ceragon's Element Management System (EMS) by providing management support at the network level. PolyView's unique user interface, CeraMap™, enables fast and easy design of multi-layered network element maps, and helps manage the network from the initial deployment stage through ongoing maintenance and configuration procedures.

End-to-end Provisioning

Quick and easy, end-to-end provisioning services are essential for any successful network management system. PolyView's point-and-click, comprehensive system engine is designed to help users define network services using a fast, easy and accurate interface.

PolyView's Enhanced Trail Management functions enable users to create, delete, modify and manage TDM trails.

It automatically searches for and selects optimal end-to-end primary and protection trails across complex topologies, enabling optimal utilization of available resources based on comprehensive trail definitions. Trails can be built either automatically based on user-defined trail endpoints, or manually, according to varying degrees of manual input, with full resource control.

The user-friendly TDM end-to-end trail GUI includes trail properties, current trail status information (alarms, active/standby, and PMs) and operational actions, and allows users to fully view TDM service status.

PolyView includes inherent redundancy support for main NOC sites and redundant sites with no single point of failure, including robust integration ability for northbound NMS platforms (disaster immunity and recovery).

Flexible Multi-platform

PolyView server and CeraMap client can be easily and seamlessly installed on servers running Windows or UNIX supporting current and future network requirements. PolyView works homogeneously with its internal standard centralized MySQL database with backup and restore features.

Key Features

Managing Wireless Backhaul Networks

- Supports the Ceragon FibeAir product family and strategic third party equipment
- End-to-end service provisioning over adaptive modulation (ACM) radio networks
- Bulk configuration for radio and network parameters
- Easier fault root cause analysis
- Managing any mix of TDM and Ethernet traffic
- Centralized Security handling
- Full set of ACM and traffic statistics which enables better planning and monitoring of radio throughput"

Full FCAPS Support

- Fault, configuration, performance and security

Redundancy & Backup

- Enhanced server redundancy solution
- Automatic database backup and database check
- Easy restoration

Pay as you Grow with Software Key Mechanism

- Per element license schemes supporting up to thousands of NEs per server
- Optional server redundancy module
- Optional End-to-end trail management module

Northbound Interfaces

- SNMP interface
- CLI interface - current alarm, alarm log, performance monitoring, inventory, and user action reports; supports periodic creation in TXT/CSV format

Multi-platform Operating System Support

- Supports Windows and UNIX with the same features set
- Windows - 2000/2003/XP/2008
- UNIX - Solaris 10, Sun SPARC servers

Ceragon Comprehensive Network Offering:



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