

Korenix NMS

Industrial Intelligent Network Management System



- Manage IP-based devices from central office and remote sites
- Manage up to 1024 network nodes
- Open support for 3rd party network devices
- Automated network discovery and topology visualization
- Device and MSR group management
- Server-Client operation to ensure system scalability, reliability and real time status
- Event handling via polling, syslog, email and SNMP trap
- Notification sent-out via email, application programs, SNMP trap, XMPP*, SMS* and MSN Messenger*
- Device configurations via SNMPv1/v2/v3, Web, Telnet and SSH
- Provides performance management
- Provides accounting management
- Centralized management to reduce network traffic
- Free download for managing 16 nodes
- Support SNMP OPC server*

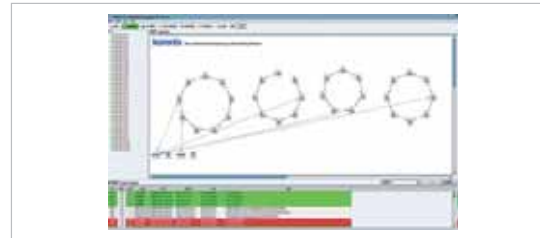
Overview

Korenix NMS (Industrial Intelligent Network Management System) is specifically designed for mission critical industrial environments. Korenix NMS provides a comprehensive platform for monitoring,

configuring, and maintaining mission-critical IP-based communication networks, such as IP surveillance, factory automations, mining, substations, maritime, and military applications.

Automatic Network Scan to Form Topology for Large Scale Network

Korenix NMS can easily discover and manage up to 1024 network nodes, including 3-rd party devices in a large heterogeneous network, such as LAN, WAN, WLAN. All the detailed data on multiple subnets as well as MSR ring status, trunking link, wireless link*, and VLAN* link and port status, device information are automatically being visualized on the topology map. For users' convenience, the map can be exported or printed to diverse formats, including JPG, BMP, PNG and PDF. In addition, distinguished icons are being used to help



administrators easily manage and trouble-shoot the large-scale network.

Third-Party Device Integration

Functionality and Compatibility

	Korenix		3rd Party Device	
	SNMP enabled	IP enabled	SNMP enabled	IP enabled
Configuration	Yes	Yes	Yes	Yes
Monitoring	Yes	Yes	Yes	Yes
Performance	Yes	Yes	Yes	Yes
Accounting	Yes	Yes	Yes	Yes
Event Handling	Yes	Yes	Yes	Yes
Notification	Yes	Yes	Yes	Yes
Device Discovery	Yes	Yes	Yes	Yes
Device Grouping	Yes	Yes	Yes	Yes
Device Configuration	Yes	Yes	Yes	Yes
Device Status	Yes	Yes	Yes	Yes

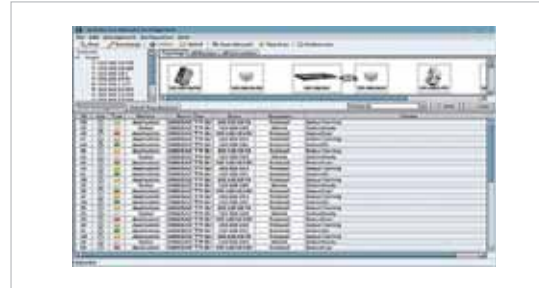
*Available in Korenix NMS v2.0

Although Korenix NMS is designed and optimized for Korenix products, third-party products can easily be integrated with the system as well. Any SNMP-enabled device or even IP-enabled device can be supervised to the same level of detail as a Korenix product. Thus, only a single management application is required to monitor the complete network infrastructure and the connected end devices.

- All product specifications are subject to change without further notice.
- Before applying to critical projects, please contact Korenix headquarter for up-to-date product specifications' consultancy.

Event Management

Administrators can define all the events, such as link failure, power failure, device availability, etc. occurred in the large network infrastructure. The notifications can be sent in a real-time basis via email, application programs, SNMP trap, and even in the future through XMPP*, SMS* and MSN Messenger*.



Industrial Intelligent NMS

Rackmount PoE Plus Switch

Industrial PoE Plus Switch

Industrial 12-24V PoE Switch

Industrial PoE Switch

Rackmount L3/L2 Switch

Gigabit Managed Switch

Managed Ethernet Switch

Entry-level Switch

Wireless Outdoor AP

Embedded PoE/Router Computer (LINUX)

Industrial Communication Computer (WIN/LINUX)

Ethernet/PoE/Serial Board

Ethernet I/O Server

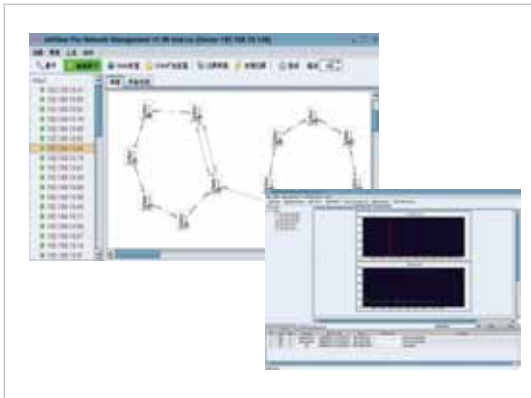
Media Converter

Serial Device Server

SFP Module

Din Rail Power Supply

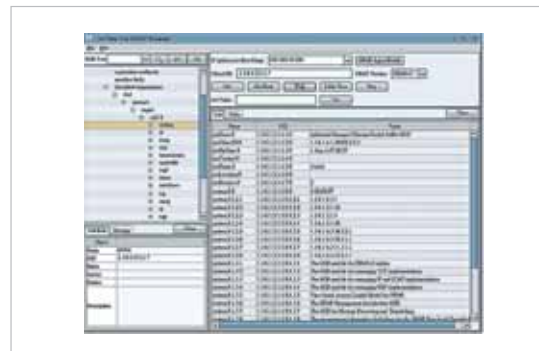
Status & Performance Management



Korenix NMS periodically monitors and reports selected nodes and interface statistics to provide real-time status of the device availability as well as traffic performance in a timely basis. By incorporating SNMP gatherer function, users can review the gathered SNMP MIB data performance without a need of additional device. Moreover, Korenix NMS can be deployed centrally or remotely to reduce network traffic.

Group Configurations

Korenix NMS allows users to easily configure Korenix devices through Web, Telnet, SSH and SNMP. For SNMP capable devices, the Korenix NMS will gather the requested information through periodic monitoring. Monitored SNMP devices will send alarms and events to alert the Korenix NMS issues that have occurred in the network. With Korenix NMS, users can manage the devices one by one or in group to upgrade firmware and boot loader, restore and backup configuration files, assign or modify IP Addresses, configure MSR redundant rings, as a result greatly increasing network performance by easily completing multi-tasks within a small timeframe.

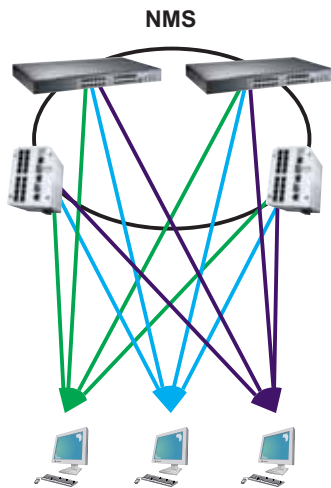


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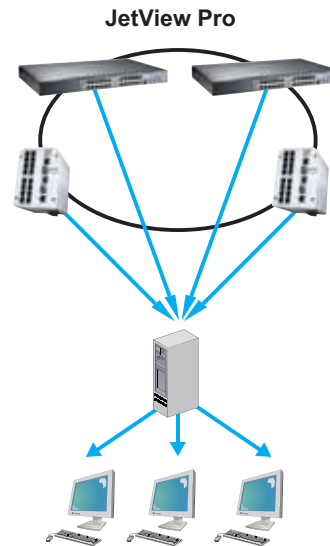
Server-Client Operation for Reliable, Scalable and Real-time Network Management

Korenix NMS outstands from typical network management software by its intelligent client

server architecture, allowing users to get all the updated information from network server in a real-time basis.



In a typical network management system, the end-user must periodically reload network system to collect the non-synchronized information from each device individually. This limits the NMS implementation to a small network with only a few number of clients. Besides, users are not able to have remote access to private client domains and search facilities.



Quite contrary to it, by using the Korenix NMS intelligent NMS, users are capable to easily reload network and system status from server agents and collect real-time synchronized multi-user information in enhanced, large scale networks. Network administrators can further remotely monitor client connections across Internet and achieve high network performance with easy maintenance.

Ordering Information

A demo version that supports monitoring of 16 IP-enabled devices is available for authorized distributors.

- Korenix NMS-32: Industrial Intelligent Network Management System for networks up to 32 nodes
- Korenix NMS-64: Industrial Intelligent Network Management System for networks up to 64 nodes
- Korenix NMS-128: Industrial Intelligent Network Management System for networks up to 128 nodes
- Korenix NMS-256: Industrial Intelligent Network Management System for networks up to 256 nodes
- Korenix NMS-1024: Industrial Intelligent Network Management System for networks up to 1024 nodes

Server Computer Requirements

- Minimum Intel Core 2 Quad-Core CPU 2.4 GHz or higher, 1GB RAM, 1GB hard disk
- Windows XP/2000/2003/7/Vista platforms
- Linux platforms*

*Available in Korenix NMS V2.0