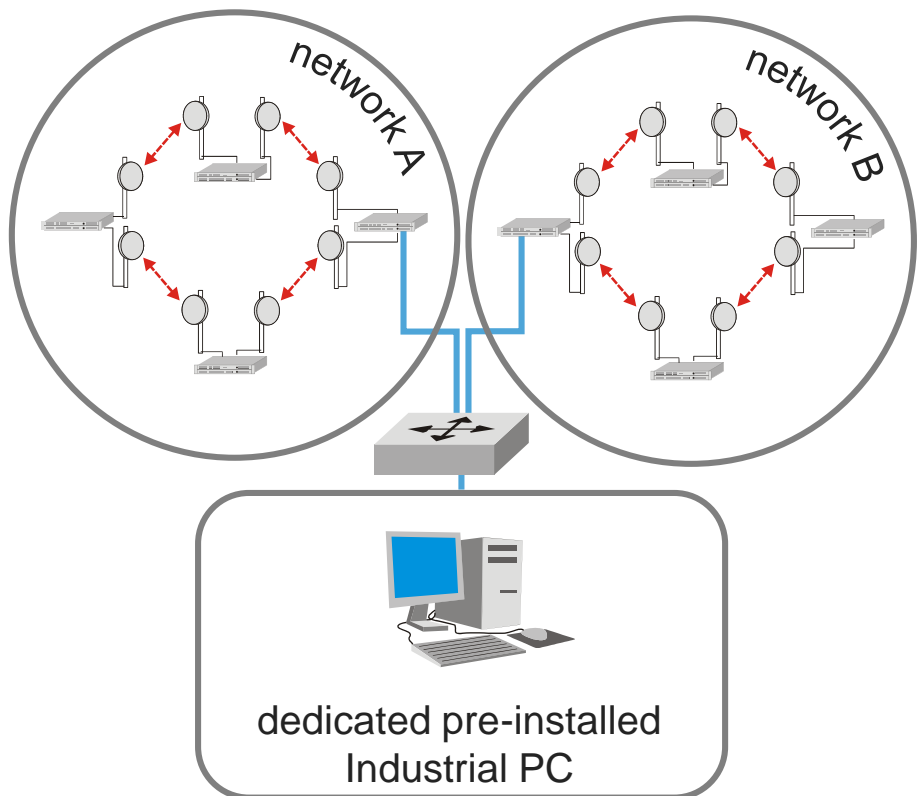![AL Wireless]

AL Wireless
Network Management System

AL Wireless NMS (Network Management System) is a comprehensive turn-key solution for managing and monitoring radio link networks from a centralized location, including support for 3rd party network devices.

End-to-end management and monitoring

Unified and centralized NMS for converged

networks
Reduced TCO
(CAPEX & OPEX)

network A

network B

dedicated pre-installed
Industrial PC

AL Wireless NMS

Overview

The AL Wireless NMS is a turn-key solution for managing all of the devices in a RF link network.

This solution is simply and easily deployed, and is supplied as an end-to-end suite. AL Wireless NMS supports advanced management and monitoring of the entire radio link network, and includes support for all SNMP-based 3rd party devices.

The solution assists clients in reducing O&M costs, improving personnel productivity and more.

Highlights

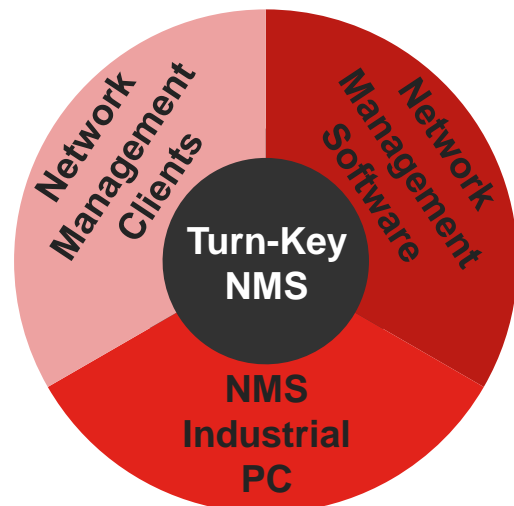AL Wireless NMS is a centralized solution providing complete network management and monitoring capabilities from a central location. This solution provides a simple GUI for easy, advanced alarm features, control and a reliable and redundant architecture.

Characteristics

- FCAPS support
- Industrial PC protection and redundancy
- SNMP management and monitoring
- Suited for AL Wireless products
- Advanced alarms and notifications
- Trail configuration and planning

Solution Architecture

AL Wireless NMS is a complete, ready-to-use solution, comprised of AL Wireless' Network Management Software, implemented on a redundant and reliable dedicated Industrial PC, with Network Management PC-clients allowing the network supervisors and technicians to manage and monitor the network.

Network Management Clients

Network Management Software

Turn-Key NMS

NMS Industrial PC

AL Wireless

Unified Monitoring

A major advantage of Network Management Systems is the ability to monitor a complete network from a central location, with a unified view of the entire network.

This view includes both AL Wireless devices and 3rd party devices, including the transmission links.

Protection & Redundancy

AL Wireless NMS is implemented on a tailored high-end Industrial PC with hot and cold standby systems, redundant power supplies and surge protection. Standby Industrial PCs with failover mechanisms and automatic database replication can be implemented, as well as RAID mechanisms.

These mechanisms, as well as software reliability, ensure high MTBF and high availability.

Network Topology View

AL Wireless NMS provides support for hierarchical logical and physical views of the devices.

The physical view is based on a Geographic Information System that displays the network devices on a world map.

Users can click on devices to configure and monitor their status.

Through this interface it is possible to also control and manage the transmission links and configure routing between devices and throughout the network.

Automatic Notifications

Our system is designed to keep users up to date in user-friendly methods. The system automatically notifies technicians in case of errors or failures, including the relevant information and locations.

The system also provides advanced alarms functionality – devices throughout the network send alarms to the AL Wireless NMS.

Our system can organize the alarms for simple user operability via alarm databases, filtering, logging and event logs.

AL Wireless

Key Features

- Full FCAPS Support
- Converged network monitoring and management
- Hierarchical logical and physical (GIS) view of the devices
- Auto-discovery of network devices
- Trail configuration and planning

- SNMPv1, SNMPv2, SNMPv3 Support
- Telnet, SSH and CLI Support
- HTML and JavaScript Web GUI
- Automatic notifications and alarms
- Fault diagnosis and status management
- User access levels

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