

Our experience, your advantage

NMS5

Network Management System

Network Management for small to large SIAE Microwave network.

NMS5 is the software solution delivering all the state of art management features requested in modern network operations.

SIAE MICROELETTRONICA NMS5 network management offers immediate access to the network status, fast identification of alarms via friendly web graphical interface, automated service provisioning and field proven Operations Support System (OSS) integration.



NMS5 is an advance Network Manager System running on LINUX platform. Thanks to flexible architecture, NMS5 is suitable for both large network operator with tens thousands deployed Network Elements (NE) as well as small enterprise to benefit from a complete and exhaustive network supervision, while investing in the most adequate solution. New automation features improve the return of investment, enabling OPEX saving in network operation. Furthermore NMS5 is ready for the SDN software architecture, accelerating the transition to multidomain network orchestration.

MAIN FEATURES

Security

- HTTPS TLS 1.3 Secure Web client
- End-to-End Ethernet, IP/MPLS and TDM service provisioning
- Bulk Device Security Management (SNMPv3, SFTP, SSH, RADIUS/TACACS+)
- Management of SNMP third party equipments on demand

FCAPS

- Fault management (active and historical), enhanced management, ITU-T X.733
- Performance monitoring G826, ACM, RSL, SNR with reporting
- AAA integration to LDAP central Authentication and Authorization
- Full Support for remote config.

Platform

- HA (1+1) Server Redundancy
- Load Balancing configuration
- Automatic Network Discovery
- SYSLOG and LOG export
- Automated Network Reports
- Dockers and Kubernetes

Integration to OSS

- REST API and SOAP API for programmability
- SNMPv3 for real time alarms
- Radio and Ethernet Performance Counters Export
- Inventory Data Export
- RESTCONF API for Ethernet Service Provisioning



Element Manager

- Full FCAPS support
- Back-up and Restore
- HW and SW Inventory
- Firmware Management
- Security Management

Network Manager

- Hierarchical topological map
- Hierarchical view tree structure
- Network map separation for user profiles
- Bulk configuration based on templates

Service Manager

- Ethernet VLAN provisioning
- (E-Line, E-LAN, OAM)
- IP/MPLS (L2 and L3 VPN)
- TDM Path Management



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