

Features

- 9900-NMS Features
Provides graphical user interface for monitoring and managing Optelecom® 9000 series systems
Supports SNMP, serial mode, Ethernet mode, and web-based management
- 9942A features
Provides system monitoring and management of Optelecom® 9000 series transmission systems
Operates in four different configurations: web server, SNMP, Ethernet NMS, and serial management
RS-232 serial console port for manual set up and field firmware upgrades



9900-NMS, 9942A Network Management

Description

The Optelecom® 9900 network management software package includes 9911-NMS serial management, 9941-NMS Ethernet management, and 9900-SNMP support packages.

9941-NMS and 9911-NMS support an operator mode for monitoring only and a password-protected supervisor mode for configuration and setup. It supports system-level, chassis-level, and card-level status screens. Functions can be configured with up to three alarm levels.

An alarm log is created and saved for up to 30 days, recording all changes in system status. An inventory log can be created listing the model number, serial number, and location of every card connected to the system.

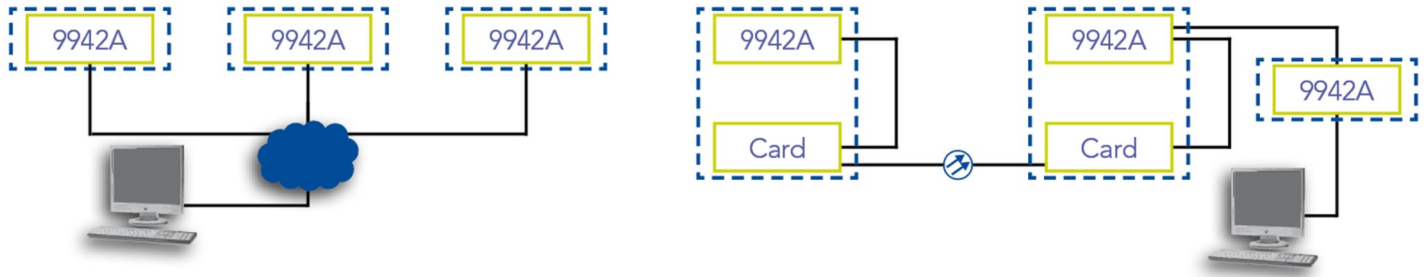
The 9900-SNMP software includes:

Optelecom's enterprise MIB files — These files can be used with off-the-shelf SNMP management software. The MIB files contain information associated with the Optelecom plug-in cards for the Optelecom® 9000 series chassis that is required for an SNMP management package to communicate with the 9942A management card via Ethernet.

Management Upgrade Utility (MUU) — An application that communicates with the 9942A using a serial connection and allows for easy upgrade of Optelecom cards managed via SNMP. (All Optelecom® 9000 series cards manufactured prior to the release of the 9942A software require this upgrade to operate in an SNMP environment.)

Technical Specifications

9900-NMS, 9942A



Hardware requirements

| | |
|-----------------------------|--|
| CPU minimum | Intel Pentium 4, 2GHz |
| CPU recommended | Intel Dual-Core Pentium 3GHz or better |
| Memory | 1024MB RAM or more |
| Video card | DirectX 9c compatible* |
| Supported operating systems | Windows 2000/XP |
| LAN port | 10/100/1000Base-TX |
| HD free space | >50MB |
| SNMP | V1 or V2c |
| MIB | MIB II (RFC 1213) |

*Dual monitor support recommended.

Management interfaces

| | |
|---------------------------------|--|
| 9942A Ethernet interface | |
| Network port | 10/100BaseT, full-duplex, half-duplex, autonegotiation, connector RJ-45, Supports static or dynamic addressing |
| Remote console functions | (DHCP, BootP) via telnet |
| Management bus serial interface | |
| Port 1 | RS-485 2-wire duplex, 9600 baud (fixed), 2 RJ-11 connectors wired in parallel |
| Ports 2 and 3 | RS-232 3-wire duplex, 9600 baud (fixed), 2 RJ-11 connectors |
| Console port | RS-232 3-wire duplex, 38400 baud (fixed), RJ-11 connector |
| Management system | 9900 Network Management System (NMS) |

Environmental

| | |
|-----------------------|----------------------------------|
| Operating temperature | -40°C to +74°C (-40°F to +165°F) |
| Storage temperature | -55°C to +85°C (-67°F to +185°F) |
| Relative humidity | <95% with no condensation |

Mechanical

| | |
|------------------------|--|
| 9942A | |
| Housing | 1-slot card, 9000 series chassis |
| Dimensions (h x w x d) | 154.9 x 20.3 x 218.4mm (6.1 x 0.8 x 8.6in) |
| Weight | 227g (8.0oz) |

Technical Specifications

9900-NMS, 9942A

Ordering information

| Models | Description |
|----------|---|
| 9900-NMS | Software package for Network Management |
| 9942A | Network Management card |



The quality management system used in the development, production, sales, and support of this product is ISO 9001:2008 certified by LRQA.

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