

# VistaNET

## Network Management System (NMS)

VistaNET is a complete suite of software tools to manage the GE Lentronics family of telecommunications products, consisting of JungleMUX SONET and T1 Multiplexers, TN1U and TN1Ue SDH Multiplexers.

### Key Benefits

- Remote configuration, monitoring and testing of all common equipment and telecommunication service interface units at any node in the system, minimizes disruption and maintenance costs
- Simultaneous configuration and monitoring by more than one user, distributes network administration and maintenance responsibilities
- Time stamped logging of alarms and intelligent processing of alarm lists, assists in identifying hard-to-find problems, facilitates alarm acknowledgement and provides immediate update on current system status
- Recording of network configuration changes provides an audit trail for future reference
- Single integrated system view for interconnected and discrete network segments
- Security is enhanced through a multi-level password and privilege system with automatic expiration interval, controlled by a system administrator
- Optical status information and BER statistics provide preliminary indications of system level problems, such as fiber cable and equipment component degradation

### VistaNET Components

- **VistaNET Local Access (VLA)** is a thrifty, rudimentary NMS solution ideal for small networks
- **VistaNET Network Interface (VNI)** is the standard NMS offering, providing remote configuration and monitoring of Lentronics Multiplexer networks
- **VistaNET Serial Communication Port Expansion** is a Right to Use (RTU) license offered for each additional VNI serial communication port connection privilege. This license is required when further redundancy is needed, or a new network segment is added to the system
- **VistaNET Server Application (VSA)** provides a single instance RTU license for the VistaNET server gateway to run on a Windows 2008, 2000, NT or XP PC or LAN server computer
- **VistaNET Server Package (VSP)** is a server gateway application supporting TCP/IP Ethernet NMS access, running on an embedded computer in the IP version of the Lentronics service unit (IPSU)
- **VistaNET SNMP Agent (VSNMP)** enhances any VistaNET service with SNMP functionality. When enabled, the VistaNET session converts VistaNET alarms into SNMP traps (ver1.0 and/or 2.0) and forwards them to a user-defined list of SNMP managers (via UDP/IP). The agent supports Get commands of active and cleared alarms
- **Alternate Traffic Routing (ATR)** provides a RTU license, enabling creation and activation of primary and backup traffic routing schemes in certain Lentronics optical transceiver units



### Network Visibility

- Complete peer-to-peer NMS solution for Lentronics Multiplexer networks
- Easily accessible through high speed corporate LAN/WANs and traditional dial-up systems

### Centralized Management

- Centralized management of both contiguous and non-contiguous networks
- Supports hundreds of nodes

### Easy Accessibility

- Intuitive menu driven, industry standard screens
- Operates on standard Microsoft (R) Windows platforms (Windows 2008 Server, 2000, XP or NT)
- Delivers complete monitoring information and configuration control for a Lentronics Multiplexer system



## Specifications

### VISTANET NETWORK INTERFACE (VNI) 86456-01

- Standard NMS offering
- Remote configuration and monitoring of rings, nodes and units
- Provides two serial communication port connection privileges from a PC or laptop to network segments
- VistaNET Local Access (VLA) RTU license included
- Provides for VNI client functionality in client-server TCP/IP Ethernet NMS implementation

### VISTANET LOCAL ACCESS (VLA) 86456-02

- Thrifty, rudimentary NMS offering for small networks
- Local configuration and troubleshooting of units
- Remote monitoring of rings, nodes and units
- RTU license per node
- Provides two serial communication port connections privileges from a PC or laptop to network segments and local units
- Included with VNI RTU license

### VISTANET UPGRADE FROM JNCI/TNCI 86456-03

- License for upgrading from legacy JNCI/TNCI to VistaNET

### VISTANET SERVER APPLICATION (VSA) 86456-04

- Creates client-server TCP/IP Ethernet NMS environment for a network segment
- Provides server gateway functionality from a PC or LAN server computer, when a NMS serial communications port connection to a network segment is required
- Provides one serial communication port connection privilege to the network segment and up to three TCP/IP Ethernet connection privileges for VNI clients
- Single instance of VSA required for each serial communications port connection to a network segment
- RTU license per instance of VSA
- Each VSA instance supports up to 50 nodes

### VNI SERIAL COMMUNICATION PORT EXPANSION 86456-05

- RTU license for one additional VNI serial communication port connection privilege to a network segment

### VISTANET CLIENT SEAT (VCS) EXPANSION 86456-06

- System wide RTU license
- TCP/IP Ethernet connection privileges to server gateways for additional 3 VNI clients

### ALTERNATE TRAFFIC ROUTING 86456-07

- License to allow second configuration image in certain optical units
- Allows for emergency re-routing of traffic

### SNMP SUPPORT PACKAGE FOR IPSU 86434-51 (Downloadable)

- Provides UDP/IP Ethernet NMS connection from a network (downloadable) segment to a third-party SNMP Manager
- VSP server gateway functionality embedded within IPSU
- Provides up to three TCP/IP connection privileges for VNI clients
- IPSU Package
- IPSU software module for SNMP Functionality
- Converts VistaNET alarms into SNMP traps for forwarding to user-defined list of SNMP managers

### VSP (VISTANET SERVER PACKAGE) FOR IPSU 86434-61 (Downloadable)

- Creates client-server TCP/IP Ethernet NMS environment (downloadable) for a network segment
- IPSU software module for VistaNET functionality
- VSP server gateway functionality imbedded within IPSU
- Provides up to 3 TCP/IP connection privileges for VNI clients

### VISTANET SNMP AGENT (VSNMP) 86456-51

- Software module adds SNMP functionality
- Converts VistaNET alarms into SNMP traps
- Forwards traps to user-defined list of SNMP managers
- Supports Get commands of active and cleared alarms

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