

Alcatel-Lucent TSM-8000 FAULT MANAGEMENT SYSTEM

The Alcatel-Lucent TSM-8000 provides highly reliable fault management and control of modern telecommunications networks. The TSM-8000 is a graphically oriented element management system. It is scaleable through software keys to support small, medium, or large telecommunications networks. The TSM-8000 supports multiple users, multiple networks and multiple protocols. It automatically collects and stores alarm, status and performance data from the monitored transmission system equipment. This information is displayed both graphically and textually. The TSM-8000 also provides comprehensive reports for all current and historical activity for the entire network including all operator actions.



The Alcatel-Lucent TSM-8000 supports SNMP (V1, V2 and V3), TL1 and MCS-11 protocols for fault management. The TSM-8000 uses a Client/Server architecture residing on Microsoft Windows® platform.

Remote access, alarm paging and e-mail notification are standard features. Custom audible alarms, paging and e-mail notifications keep users updated to network status. As an optional feature, the customer can assess the TSM-8000 via a Web Browser for remote visibility where access to the Internet is available.

Features and benefits

- Versatile Network Views
 - ↪ Network view customizable by user
 - ↪ Virtual equipment using arbitrary alarm grouping
 - ↪ Virtual alarms using Boolean logic and time weighting
 - ↪ Alarms and controls grouped by user-defined functionality
 - ↪ One-click access to highest priority unacknowledged alarm
 - ↪ One-click access to all current alarm activity

- ↪ Transmission and telemetry networks monitored
- ↪ Multiple active masters supported
- ↪ Concurrent geographic and alarm log network views
- ↪ Optional Web Browser interface
- Flexible Reports
 - ↪ Alarms, controls and user actions recorded to history log
 - ↪ Customizable reports sorted by time, date, network, equipment attributes, or operator actions
 - ↪ Schedule Performance Monitor reports
- Enhanced Network Reliability
 - ↪ Redundant telemetry architecture
 - ↪ Monitored telemetry channels
 - ↪ Monitored server and client operation
 - ↪ Two-click last hour and last day reports
 - ↪ Automatic periodic user-defined reports
- Full Featured Controls
 - ↪ Control permission by network or equipment group
 - ↪ Positive operational notification
- High Reliability Hardware
 - ↪ Mirrored hard drives
 - ↪ Hot-swappable power supplies
 - ↪ Supports multiple active manager topology
- Protocol Support
 - ↪ SNMP or ASCII reporting to higher level manager of managers
 - ↪ SNMP, TL-1 and MCS-11 surveillance of network elements
- Alcatel-Lucent Services Support Options (Data base configuration)
 - ↪ On-site installation and test
 - ↪ Vendor or customer location training
 - ↪ Customization of equipment unique TL-1 and SNMP alarms and controls
 - ↪ Custom telemetry network design

Technical specifications

TSM-8000

- Simultaneous Users: Up to twenty five
- Network Elements: Scalable 32, 64, 128, 256, 512, or 1024 (Upgrading to a larger system only requires additional software)
- Architecture: Client-Server
- Server OS: Windows 2003 Server
- Client OS: Windows XP Pro
- Server: Rack (19") mounted PC
- Client: Desktop (or laptop) PC
- Power Requirements: 110 or 220 V AC

TSM-8000 Single Client (SC)

- Users: One
- Network Elements: Up to 128
- Operating System: Windows XP Pro
- Architecture: Stand-alone computer (desktop)
- Power Requirements: 110 or 220 V AC