

S-6000T

Distributed Network Management System (NMS)

A powerful tool for Telecom Network Administrators to configure, control, and monitor their WLAN network.

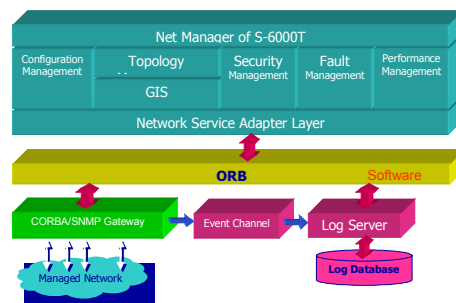
The S-6000T Network Management System is the ideal product for Telecom Operators or WISPs to administer their WLAN network.

Scalable distributed NMS

Gemtek S-6000T is a distributed, object-oriented network management system designed for telecom operators and WISPs

Robust Architecture

There are three basic modules in the S-6000T NMS: Net Manager, SNMP/CORBA Gateway and Log Server. All the modules are transparently connected through the software bus, also known as the Object Request Broker (ORB). This architecture supports interoperability with other applications; enabling operators to easily integrate the S-6000T with other services.



Data flow of the S-6000T NMS

- The Net Manager sends SNMP request to the CORBA/SNMP Gateway and receives the corresponding response through the ORB.
- The CORBA/SNMP Gateway captures the traps sent from the managed elements and pushes them into the Event Channel.
- The Log Server monitors the Event Channel, and

conditionally records all events.

- The Net Manager sends request to the Log Server to query or delete the history records in the log.

Advantages and Cost Saving Benefits

- Robust Scalable and distributed system architecture
- Low TCO, Grow-as-needed, simple system expansion
- Management functionalities directly or indirectly solve a business problem
- System transparency allowing the S-6000T to monitor any elements including devices from any vendors, that support SNMP and MIB II
- Supports private MIBs of other manufacturers by customizing MIB plug-ins
- Seamless interaction between objects
- Remote AP software upgrade and AP software reset
- Real Time Monitoring Functions such as Hot spot Scanning, Device (AP) Scanning and Client Survey
- Monitoring data enables the administrators to perform traffic analysis to resolve Hot Spot congestion before the problems arise.

Carrier-Grade systems allow Telco's to provide high quality services which translates to revenue through customer retention and reduced churn.

About Gemtek Systems

Gemtek Systems, a global Wi-Fi® Public Access systems and solutions provider, is a subsidiary of Gemtek Technologies, the largest independent supplier of Wi-Fi products.

Gemtek Systems has a global reputation for providing the highest quality, feature-rich WLAN products with extremely competitive pricing.

S-6000T FEATURES

- Distributed functionality and object-interoperability provided by advanced CORBA
- Provides GIS functions for topology management and fault management
- Shared resources and elements' status between multiple administrators
- Supports SNMP v1, v2
- Supports MIB-2, IEEE802.11
- Supports Private MIBs of other manufactures by customizing MIB Plug-ins
- Provides a wide variety of attributes for the manipulation of log data
- Support multiple Data Base Management System (DBMS), including Microsoft Access 2000/2002, Microsoft SQL Server 2000 and Oracle 8i/9i with the capability of switching from one DBMS to another without any data loss
- Provides common SNMP/CORBA Gateway which is in compliance with the JIDM standard in the CORBA TMN Inter-working Specification proposed by OMG
- Provides topology management, including topology navigation, topology editing, topology filtering and eagle-eye functions
- Provides security management, including user authority, topology authority and user-group management
- Supports automated AP discovery, configuration, software reset and remote firmware upgrade
- Supports Hot spot Scanning by which the administrator can monitor the performance of the link to each Hotspot
- Provides performance monitoring and notification
- Supports customized polling
- Supports alarm Classification and Coloring
- Integrated with web browsers and supports device configuration by http or https, including retrieving or modifying the hardware configuration and backing up or restoring device configuration to/from database
- Supports command line operation

S-6000T Specification

Runtime Environment

- Microsoft Windows 2000 Professional
- Microsoft Windows 2000 Sever
- Microsoft Windows XP Home Edition\Professional

Hardware Requirement

PC	Pentium III 800 or higher or equivalent with 256 MB memory and 1 GB hard disk space
Monitor	Display Resolution 1024 x 768
Mouse	Provides Mouse Wheel support

Third Party Software

Java Virtual Machine	Java VM is required to register, manage and configure TAO. The JVM is free.
The ACE ORB	TAO, an implementation of ORB runtime environment and is based on the Client/Server architecture.
DBMS	Database management system which provides database service to the NMS. Supported DBMS includes Microsoft Access 2000/2002, Microsoft SQL Server 2000 and Oracle 8i/9i
MapX	Optional- only needed to provide GIS functions in topology management and fault management

WARRANTY

1 years (CD Only)

PACKAGE CONTENTS

- CD-ROM with software and documentation
- Installation Guide & User Guide

RELATED PRODUCTS

G-6000 Public Access Gateway Controller , **G-4000** SMB Hot Spot Gateway, Router

P-320 Access Points , **P-380** Outdoor AP & Router **P-360** Hot Spot Access Points