Gemtek systems

S-6000

Distributed Network Management System

A Powerful Tool for Network Administrators to configure, control and monitor their WLAN Network.

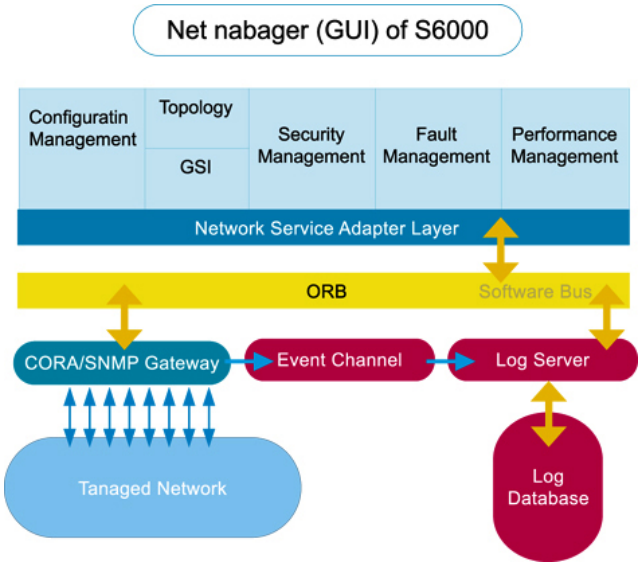
V1.0

Scalable distributed NMS

The Gemtek Systems S-6000 is a distributed and object-oriented network management system designed for Public WLAN network.

S-6000 Architecture

There are three basic modules in the S-6000 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 easy integration with other services.



S-6000 NMS Data Flow

- 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 transmits them into the Event Channel.

- The Log Server listens to the Event Channel, and records all events and conditions occurred in the event channel.

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

Advantages and Benefits

· Robust Scalable and distributed system architecture

· Easy to install and easy to operate Stand-alone simplicity with the capability to manage an entire network from one location

· Management functionalities provides solutions for different business environments

· System transparency allows the S-6000 to monitor any elements (devices from other vendors) that support SNMP and MIB II

· support multiple MIBs from other manufacturers by customizing MIB plug-ins

· Seamless interaction between objects

· Remote Access Point software upgrade and reset

· Real Time Monitoring Functions such as Hotspot Scanning, Device (AP) Scanning and Client Survey

· Monitoring data enables the administrators to perform traffic analysis to resolve traffic congestion before the problems arise.

· Carrier-Grade system allows Operators/WISPs to provide high quality services.

S-6000 Highlights

- Distributed functionality and object-interoperability provided by advanced CORBA
- Provide GIS function for topology management and fault management
- Shares resources and elements' status between multiple administrators
- Support SNMP v1, v2
- Support MIB-2, IEEE 802.11
- Support multiple MIBs from other manufacturers by customizing MIB Plug-ins
- Provide 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
- Switch from one DBMS to another without any data loss
- Provide common SNMP/CORBA Gateway in compliance with the JIDM standard in the CORBA TMN Inter-working Specification proposed by OMG
- Provide topology management, including topology navigation, topology editing, topology filtering and eagle-eye functions

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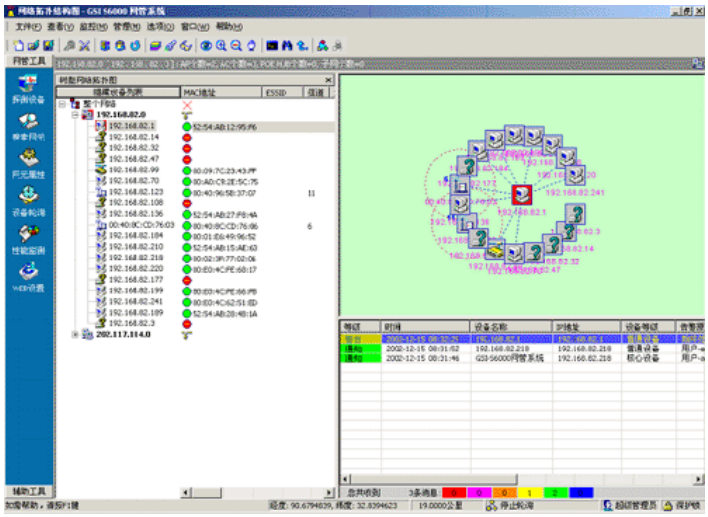
- Provide security management, including user authority, topology authority and user-group management
- Support automated AP discovery, configuration, software reset and remote firmware upgrade
- Support Hotspot Scanning by which the administrator can monitor the performance of the link to each Hotspot
- Provide performance monitoring and notification
- Support customized polling
- Support alarm Classification and Coloring
- Support device configuration throughout web browsers of http link or secure https link
- Configuration functions including retrieving or modifying the hardware configuration and backing up or restoring device configuration to/from database
- Support commands line operation

S-6000 Applications

- The S-6000 Network Management System is the idea product for larger Hotspot operators to administer their WLAN network.



S-6000 Specification

Runtime Environment	
Microsoft Windows 2000 Professional	
Microsoft Windows 2000 Sever	
Microsoft Windows XP Home Edition	
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 Orbix 2000. The JVM is free.
Iona Technology Orbix 2000	Orbix 2000, 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 Manual & User Manual	
RELATED PRODUCTS	
G-6000 Public Access Controller , ***G-4000*** SMB Public Access Controller , ***P-320*** Access Points , ***P-380*** Outdoor Router ***P-360*** Hot Spot Access Points	