

Lantech-View Pro

User's Manual

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Contents

1. Getting to Know Your switch.....	1
1.1 About the Lantech Switch	1
1.2 Installing Java Machine.....	2
1.3 System Requirements.....	2
1.4 Preparing to Install lantech-view pro	3
2. Applying lantech-view pro to Switch Connection	7
2.1 Getting Started with lantech-view pro	7
2.2 Confirming Network Setting of PC	8
2.3 Discovering Devices in the Networks.....	9
3. lantech-view pro Main Interface	13
3.1 File Menu	14
3.2 Edit Menu	15
3.3 Tools Menu.....	16
3.4 Monitor Menu	17
3.5 View Menu	18
3.6 Help Menu.....	18
3.7 Tool Bar	19
3.8 Event Bar	20
3.9 Tree View & Inspector Area.....	21
3.9.1 TopoMap	22
3.9.2 User Management.....	25
3.9.3 MIB Browser.....	26
3.9.4 MIB Compiler	27
3.9.5 Status Monitor	29
3.9.6 Syslog Event	30
3.9.7 Group IP Setting.....	31
3.9.8 Group Firmware Update Wizard	33
3.9.9 Trap View	35
3.9.10 Discovery Monitor	36
3.9.11 Threshold Events.....	37

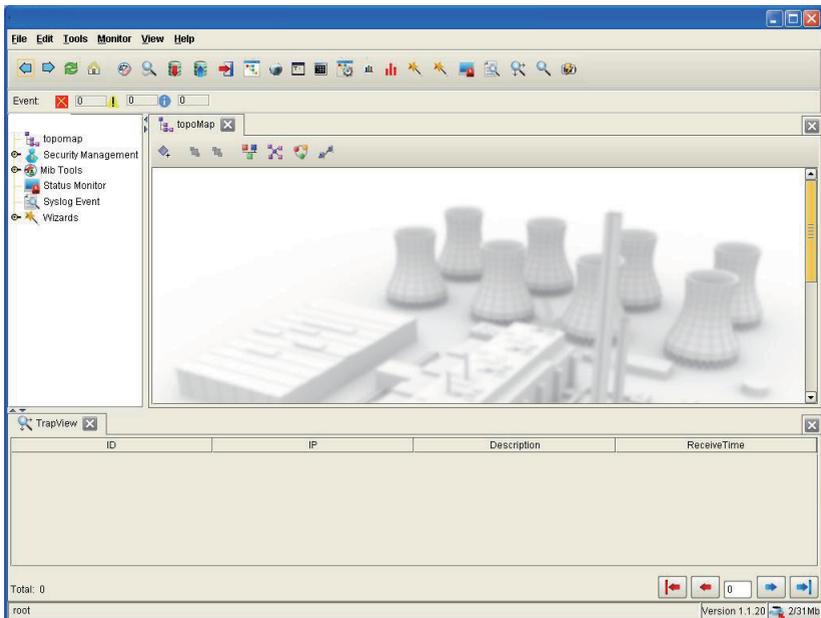
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1

Getting to Know Your switch

1.1 About the Lantech Switch

The Lantech Switches can be managed by a powerful utility-LANTECH-VIEW PRO. With Lantech-View Pro installed, which provides a powerful interface for users to manage all switches in the network, users can set parameters to multiple switches at the same time. LANTECH-VIEW PRO is not only a powerful utility for users to configure but also a useful utility to administrate and monitor the connected switches. When the monitored switches fail, the failure information will be displayed on the LANTECH-VIEW PRO interface



1.2 Installing Java Machine

Please make sure you have installed Java Runtime Environment (JRE) on your computer. If not, you can download JRE Version 6 Update 3 from SUN website: <http://java.sun.com/javase/downloads/index.jsp>.

1.3 System Requirements

Operating System:

Microsoft Windows XP, or 2000

Screen Resolution:

1024 x 768, 16-bit color or above

Processor:

Pentium 3/800 MHz, or AMD Athlon 1000, or above

Memory:

512 MB RAM (1 GB or above is recommended)

Hard Disk Space:

200 MB at least

CD/DVD Burning Device:

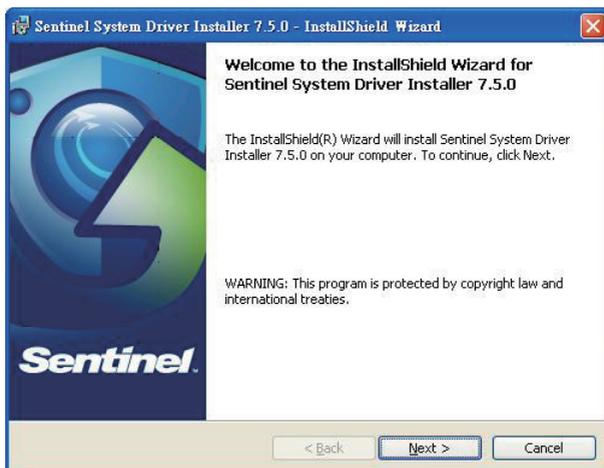
The CD or DVD recorder (CD-R/RW, DVD+R/RW or DVD-R/RW) is required to burn VCD/DVD/SVCD/Mini-DVD titles.

1.4 Preparing to Install Lantech-View Pro

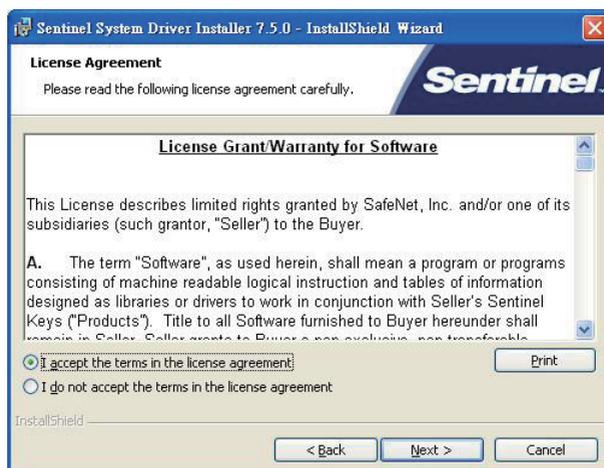
Before using Lantech-View Pro, users need to install the driver for the security key first. Double click on the Sentinel System Driver Installer icon to start the installation process.



Step 1
After the execution of Lantech-View Pro.exe, the Lantech-View Pro installation wizard starts.

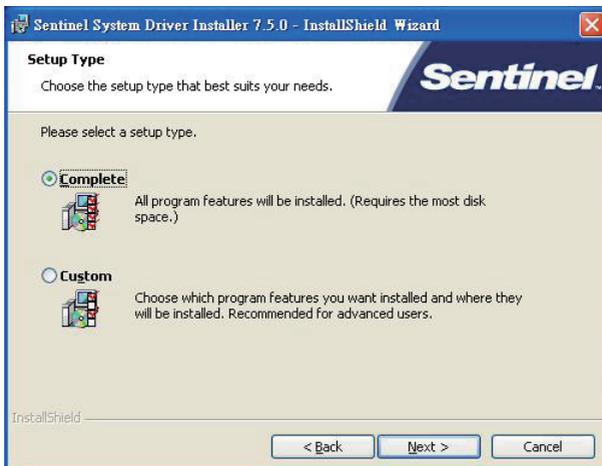


Step 2
Select the I accept the items in the license agreement radio button and click Next.



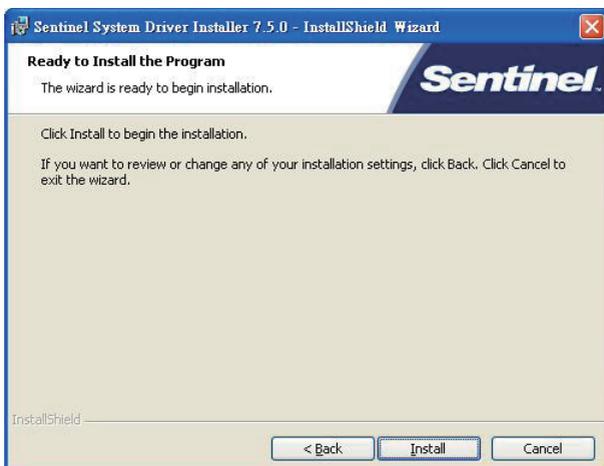
Step 3

Select the setup type for the **Complete** or **Custom** installation.



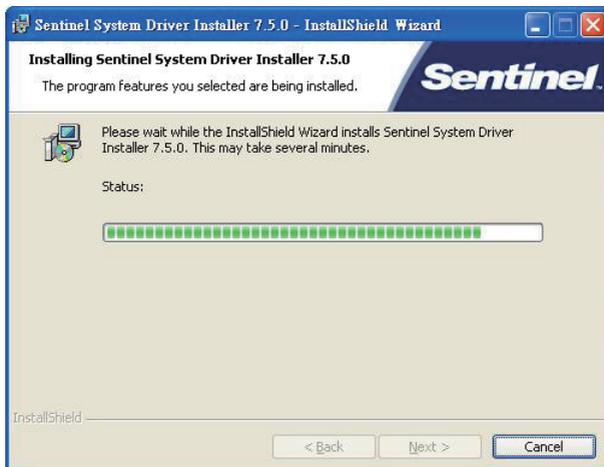
Step 4

After selecting the setup type, click **Install** to begin the installation or click **Back** to return to the previous step.



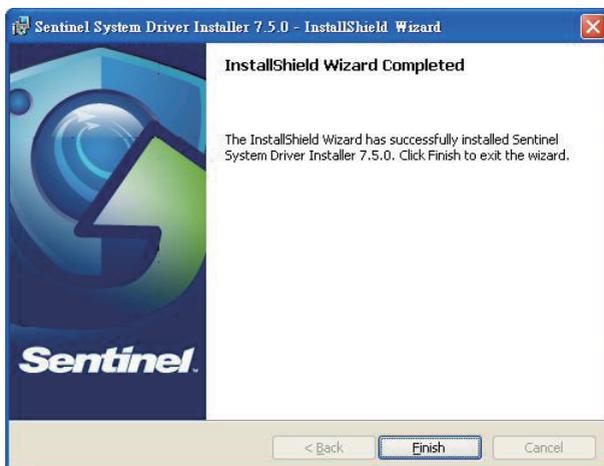
Step 5

After clicking the **Install** button, the program is being installed. Please wait while the taskbar is in progress.



Step 6

When the installation is completed, click **Finish** to exit the installation wizard.



2

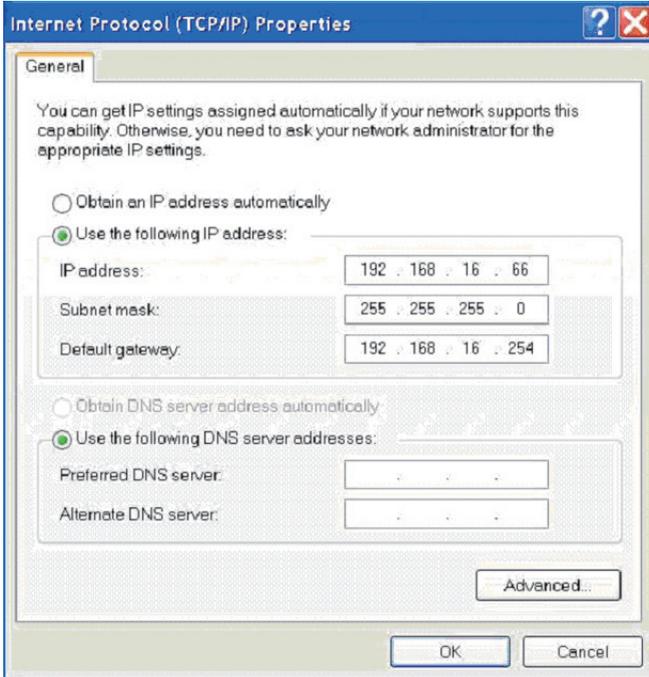
Applying LANTECH-VIEW PRO to Switch Connection

2.1 Getting Started with LANTECH-VIEW PRO

Select "Start" → "All Programs" → "LANTECH-VIEW PRO"
to launch LANTECH-VIEW PRO.

2.2 Confirming Network Setting of PC

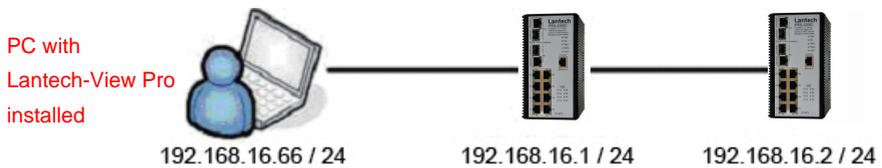
First of all, double check the configuration of the PC's IP address, subnet mask, default gateway, etc. Make sure the PC and the switch are connected to default gateway which you wish to connect properly.



2.3 Discovering Devices in the Networks

Devices in the same network segment

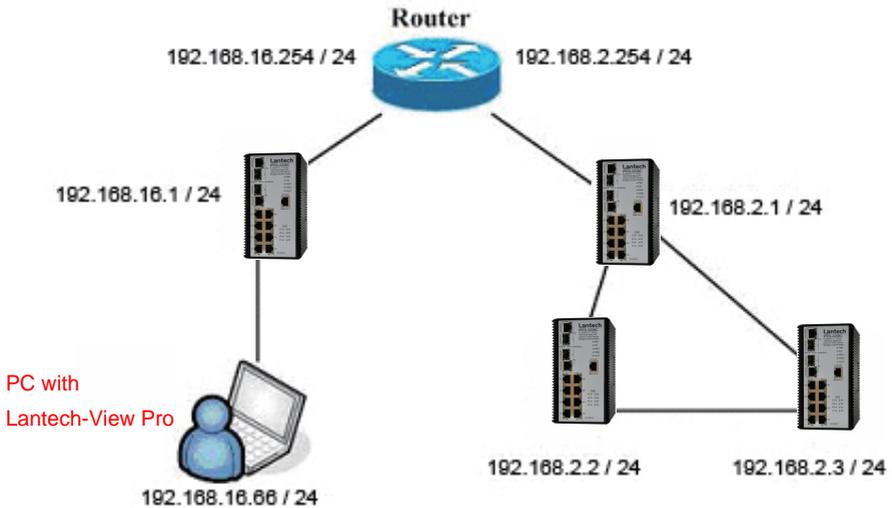
As illustrated in the figure below, a PC with Lantech-View Pro installed and two switches are connected to the same subnetwork.



When the monitoring PC and the managed switches are connected to the same subnetwork, click "Discovery" directly on the Lantech-View Pro to search the switches

Devices in different network segments

If the monitoring PC and the managed switches are located in different networks, as illustrated in the figure below, then users need to use the advanced search function to search the switches.



Make sure the PC and the switches are connected to Default Gateway which you wish to connect properly. If the Network is proper, launch LANTECH-VIEW PRO and click "Add Discovery Task" to bring up the task dialog box.

If the Network is proper, launch LANTECH-VIEW PRO and click the "Add Discovery Task" button to bring up the task dialog box.

The dialog box is titled "Add new discovery task" and contains the following fields and options:

- Begin IP: 0.0.0.0
- End IP: 0.0.0.0
- NetMask: 255.255.255.0
- Timeout(S): 5
- Retries: 1
- Port: 161
- Protocol: snmpv1/snmpv2c, snmpv3
- Community: public
- RwCommunity: private

Buttons: OK, Exit

With the dialog box showing up, key in the values respectively to search the devices whose conditions accord with the specified values.

Begin IP: Key in the begin IP address as the searching condition.

End IP: Key the end IP address as the searching condition.

NetMask: Key in the netmask.

Timeout(s): Key in the timeout period in seconds.

Retries: Key in the value determining how many times the search will retry.

Port: Key in the port number as the searching condition.

SNMPv1/SNMPv2c:

SNMPv3: Select the radio button

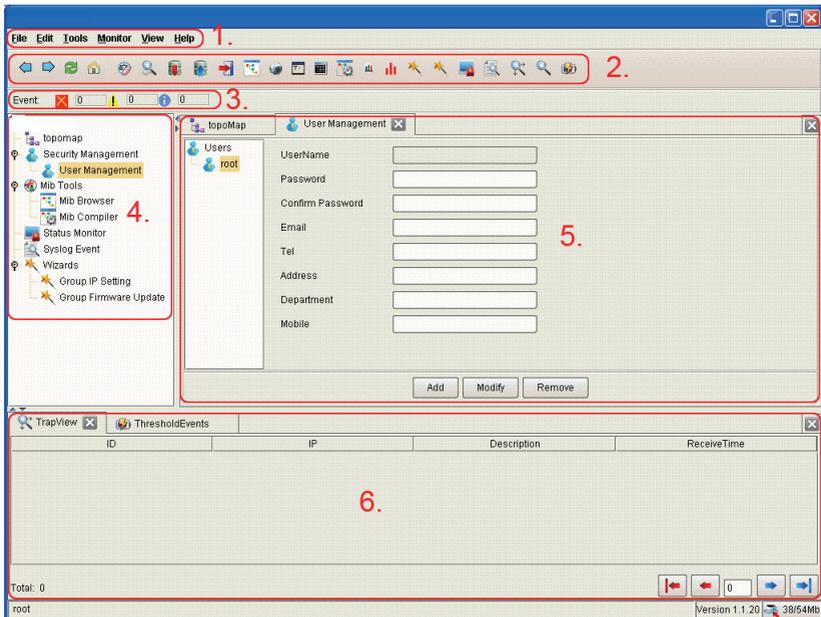
Click "OK" to start searching for switches or "Exit" to quit the dialog box.

3

LANTECH-VIEW PRO Main Interface

The LANTECH-VIEW PRO main interface shown as below mainly consists of the following parts:

1. Menu Bar
2. Tool Bar
3. Event Bar
4. Tree View
5. Inspector Area
6. Data Grid



3.1 File Menu

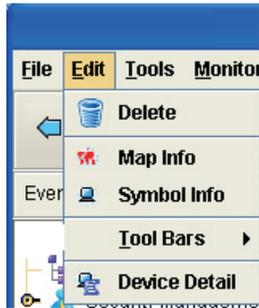
Click File to pull down the menu for Discovery, Clear Events, Export, Import and Exit functions.



Task	Description
Discovery	Click Discovery to discover the switches on the same subnet. All discovered switches will be displayed on the management interface of LANTECH-VIEW PRO. LANTECH-VIEW PRO discovers switches in accordance with the conditions of the discovery task.
Clear Events	Click to clear all events.
Export	Click to export/save the topology data.
Import	Click to import/read the topology data.
Exit	Close the Lantech-View Pro.

3.2 Edit Menu

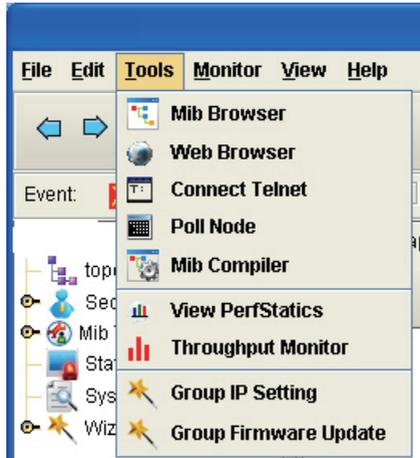
Click Edit to pull down the menu for Delete, Map Info, Symbol Info, Tool Bars and Exit functions.



Task	Description
Delete	Delete the selected node.
Map Info	Click to bring up the Map Info window.
System Info	Click to bring up the System Info window.
Tool Bars	Click to extend the submenu allowing users to enable/disable the buttons showing on the tool bar.
Device Detail	Click to bring up the device detail window.

3.3 Tools Menu

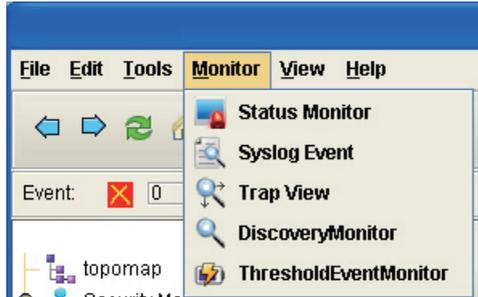
Click Tools to pull down the menu for Mib Browser, Web Browser, Connect Telnet, Poll Node, Mib Compiler, View PerfStatics, Throughput Monitor, Group IP and Group Firmware Update functions.



Task	Description
Mib Browser	Click to open the MIB Browser tab.
Web Browser	Click to open Web Browser.
Connect Telnet	Click to open Telnet Terminal.
Poll Node	Node polling.
Mib Compiler	Click to open the MIB compiler.
View PerfStatics	Click to open the Performance Statistics window.
Throughput Monitor	Click to bring up the Throughput Monitor window.
Group IP Setting	Click to open the Group IP Configuration tab.
Group Firmware Update	Click to open the Group Firmware Update tab.

3.4 Monitor Menu

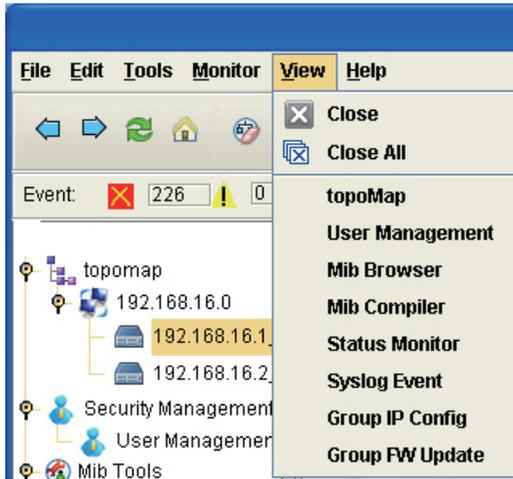
Click Monitor to pull down the menu for Status Monitor, System event, Trap View, Discovery Monitor and Threshold Event Monitor functions.



Task	Description
Status Monitor	Click to open the Status Monitor tab.
Syslog Event	Click to open the Syslog Event tab.
Trap View	Click to open the Trap View data grid at the bottom of the main window.
Discovery Monitor	Click to open the Discovery Monitor tab at the bottom of the main window.
Threshold Event Monitor	Click to open the Threshold Events data grid at the bottom of the main window.

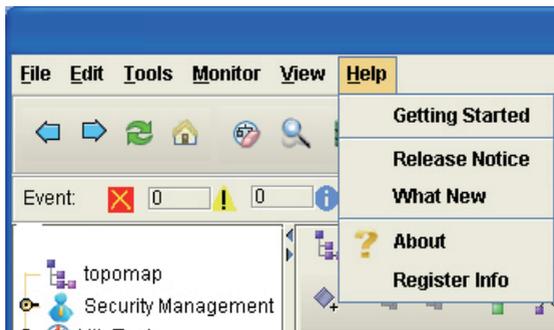
3.5 View Menu

Click View to pull down the menu to close the particular tab or close all tabs at a time.



3.6 Help Menu

Click Help to pull down the menu to get help or read information related.



3.7 Tool Bar

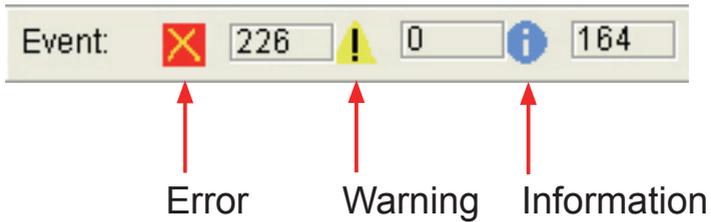
The functions grouped on the menus can also be launched by clicking the icons on the tool bar. Please see the table below for quick reference.

Icon	Description
	Click to return to the previous page.
	Click to return to the next page.
	Refresh the current screen.
	Click to show the Topology Map screen.
	Clear events.
	Click to bring up the discovery task dialog box.
	Export/save the topology data.
	Import/read the topology data.
	Close the Lantech-View Pro client.
	Click to open the MIB Browser tab.
	Click to open the web browser interface.
	Click to open the Telnet Terminal applet.
	Nodes polling.
	Click to open the MIB Compiler tab.
	Click to view Performance Statistics.
	Click to open the throughput monitor.
	Open the Group IP Configuration wizard.
	Open the Group Firmware Update wizard.

	Open the Status monitor.
	Click to view the Syslog Event information.
	Click to open the Trap viewer.
	Click to open the Discovery Message viewer.
	Open the Threshold Event monitor.

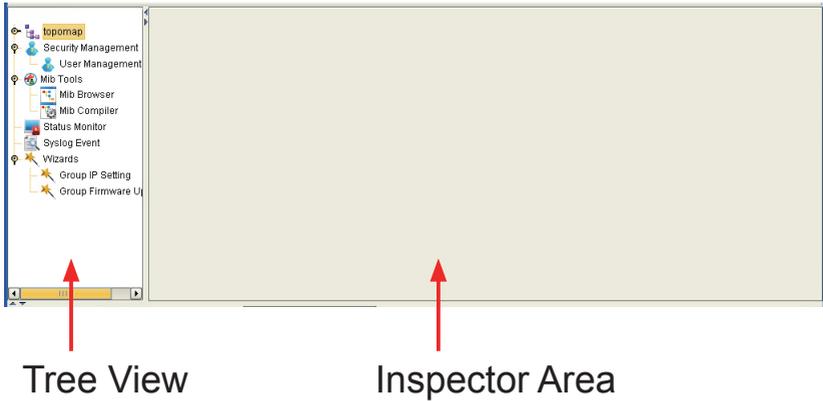
3.8 Event Bar

The event bar displays the count of events including error, warning and information events.



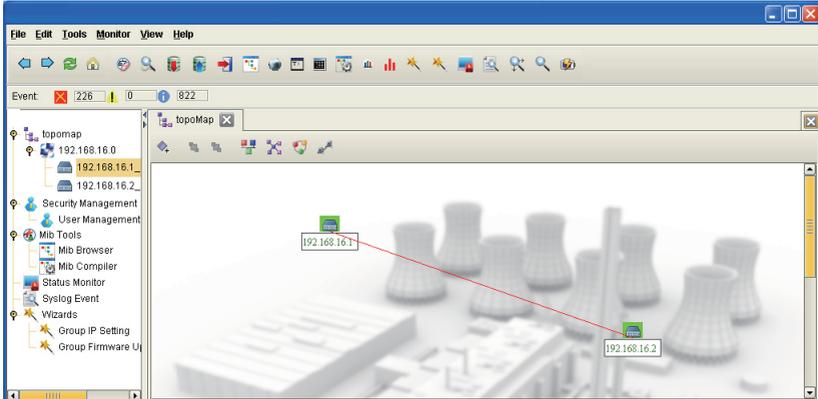
3.9 Tree View & Inspector Area

The tree view structure on the left side gives users an obvious view to handle the powerful functions in advance. Note that a tab for the related tree node will show up in the Inspector Area when you double click any one of the tree node.



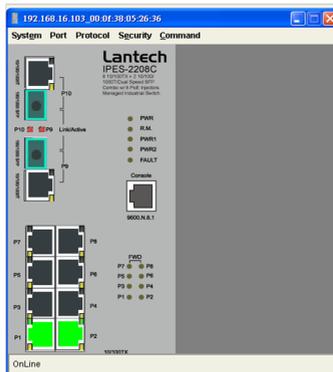
3.9.1 TopoMap

1. Double click the tree node of TopoMap to open the topomap tab.
2. Click the discovered network segment(s) to view the devices located in the network. And the topology map will display on the topomap tab.



A. Pop-up Panel

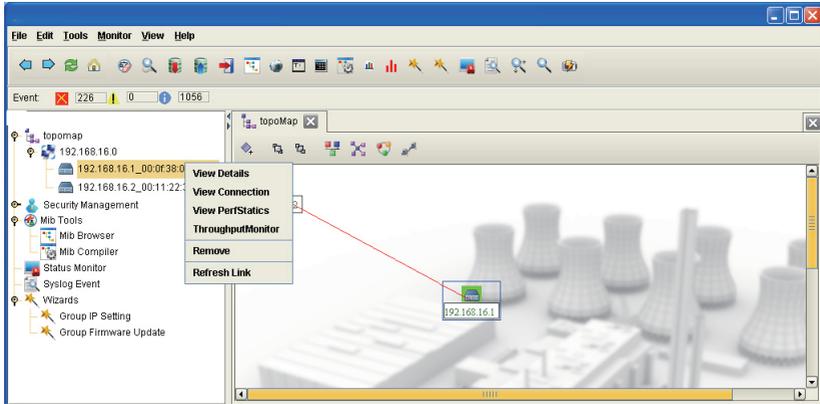
Double click on any of the devices to pop up the window of panel of the clicked device, which displays the ports layout and status concerning the device.



The pop-up window gives users the powerful interface to manage the device by selecting the functions on the menu bar. The functions may differ among models. Please consult user's manuals for web-based management for the respective models.

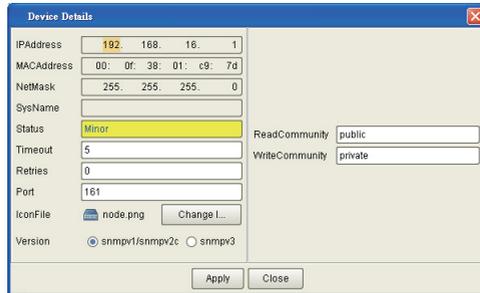
B. Pop-up Menu of the Device

Right click on any of the discovered devices to show the pop-up menu.



View Details

Click to bring up a dialog box showing the device details. You can modify the Timeout, Retries, Port, SNMP version and click the **Change I...** button to change the icon for the device.



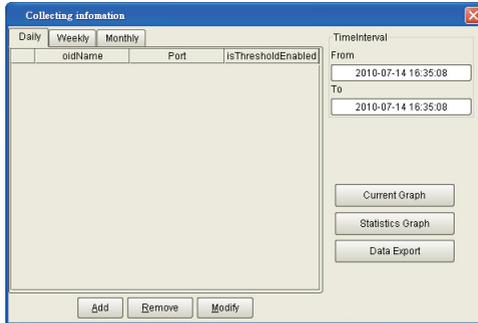
View Connection

Click to bring up a dialog box showing the connection information.



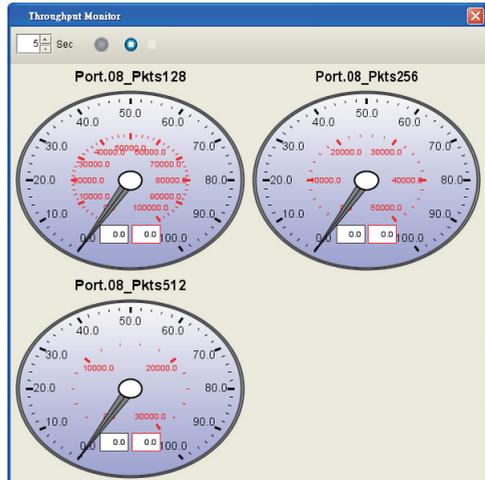
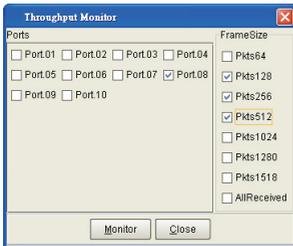
View PerfStatics

Click to bring up a dialog box showing the performance statistics information.



Throughput Monitor

Click to bring up the dialog box that users can tick checkboxes to select ports and their frame size. And the click the Monitor button to show the throughput monitor window.



Click the up/down arrows to increase/decrease the number in seconds to specify the interval between information collections.

Click  or  to stop/start collecting information.

Remove

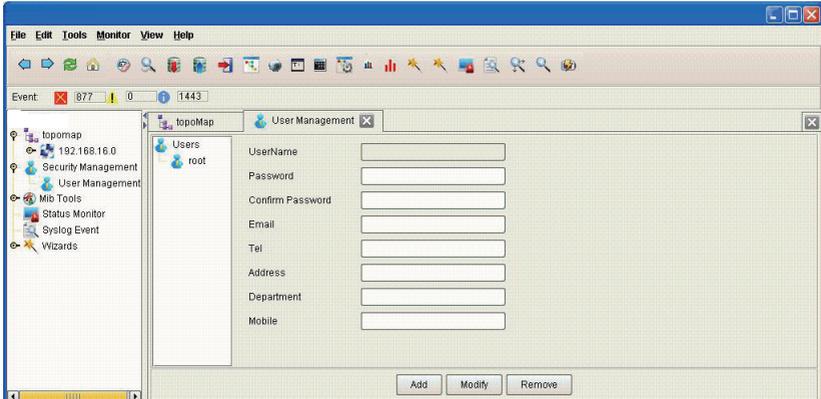
Click to delete the device discovered.

Refresh Link

Click to refresh the topology map.

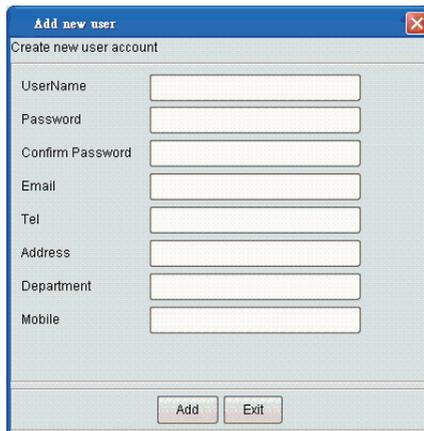
3.9.2 User Management

The User Management tab allows you to add new user accounts, modify and remove the user accounts.



Add

Click the Add button to bring up the Add New User dialog box. And fill the data in the fields respectively.

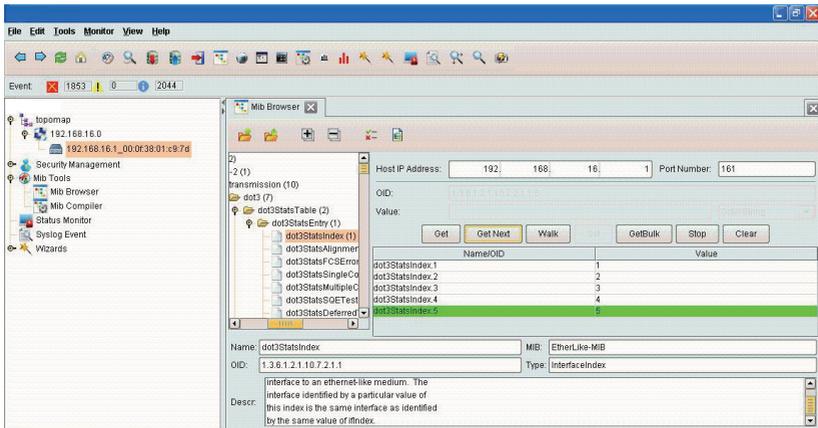


Modify/Remove

Double click the user account to change the data field by field, and click Modify for account modification. Double click the user account and click Remove to delete the user account.

3.9.3 MIB Browser

The MIB Browser tab gives users the interface to manage the devices with the MIB database.



Click  to load the MIB file to MIB database.

Click  to remove the MIB file from MIB database.

Click  to expand the MIB tree.

Click  to close the MIB tree.

Click  to bring the SNMP Settings dialog box.

Click  to export/save data.

Host IP Address: Specify the IP address for the target machine.

Port Number: Specify the port number accompanying the IP address.

With the content of the MIB tree selected, click

Get: to fetch and show the complete information of the selected OID at a time.

Get Next: to fetch and show the OID information one row with one click.

Walk: all the information of the MIBs will be fetched and displayed.

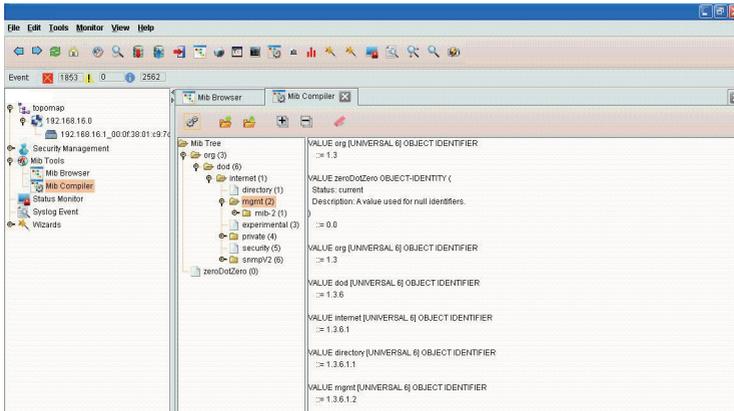
Get Bulk: all the information beneath the selected node will be fetched and displayed.

Stop: to stop fetching.

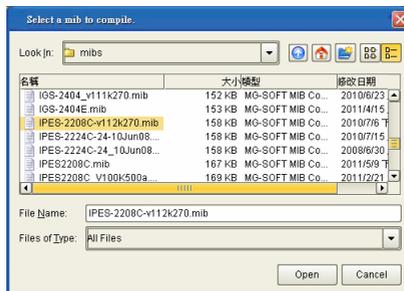
Clear: to clear the fetched data.

3.9.4 MIB Compiler

The MIB Compiler tab gives users the interface to verify whether the scanned MIB file is available without errors.



1. Click  to bring up the dialog box for MIB files selection.



2. Select a MIB file and click the Open button to start. After scanning, a message box shows up telling users no error scanned. Click OK to close the message box.



Click  to load the MIB file for scanning.

Click  to remove the MIB file from MIB database.

Click  to expand the MIB tree.

Click  to close the MIB tree.

Click  to clear the listed contents.

3.9.5 Status Monitor

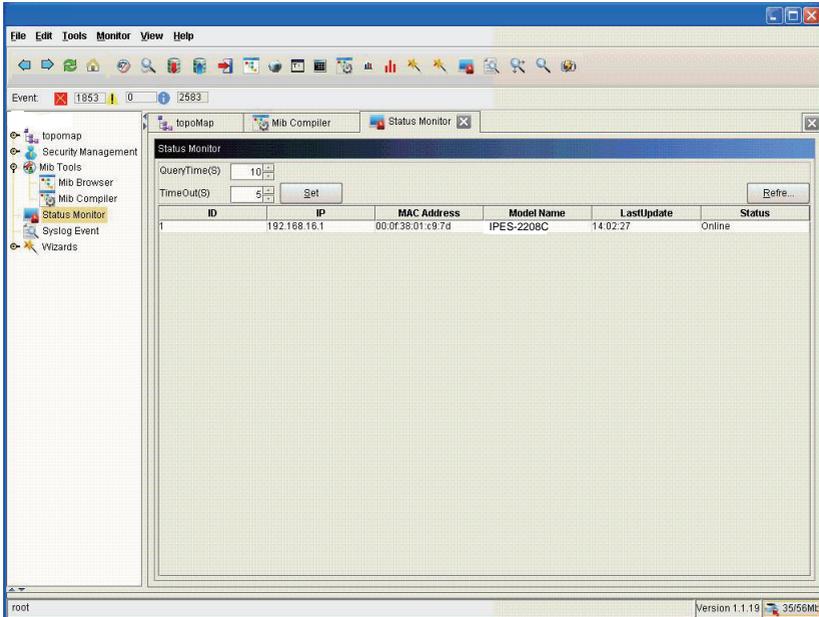
The Status Monitor tab gives users the information about IP address, MAC address, model name, last update and status for all devices. The control items are described as follows:

Query Time(S): Specify the interval for querying the devices to collect the required information. The default value is 10 seconds.

Time Out(S): Specify the time out for querying the devices. The default value is 5 seconds.

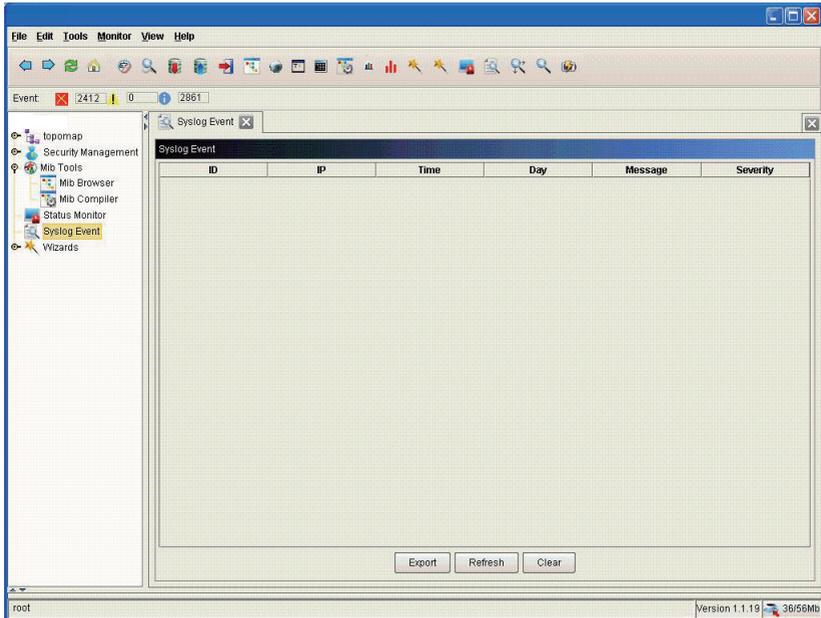
When query time or time out is changed, click the **Set** button to have the settings take effect.

You can also click the **Refresh** button to get the information as needed.



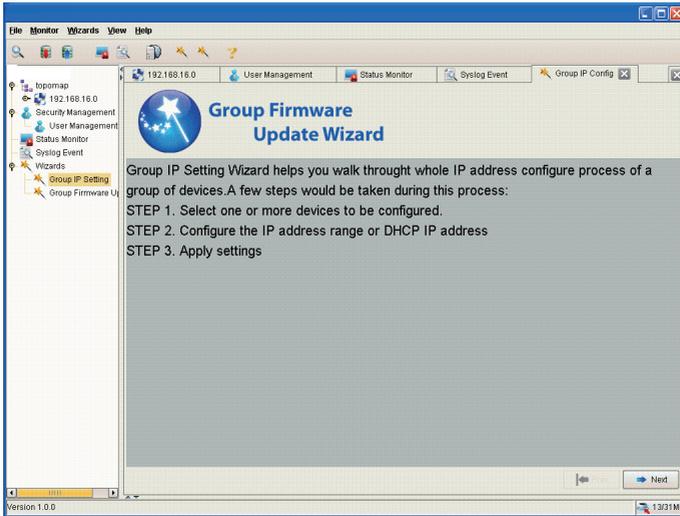
3.9.6 Syslog Event

The Syslog Event tab collects system log events and allows users to export the statistics. Click Refresh to get the newly collected information. Click Clear to clean the screen.

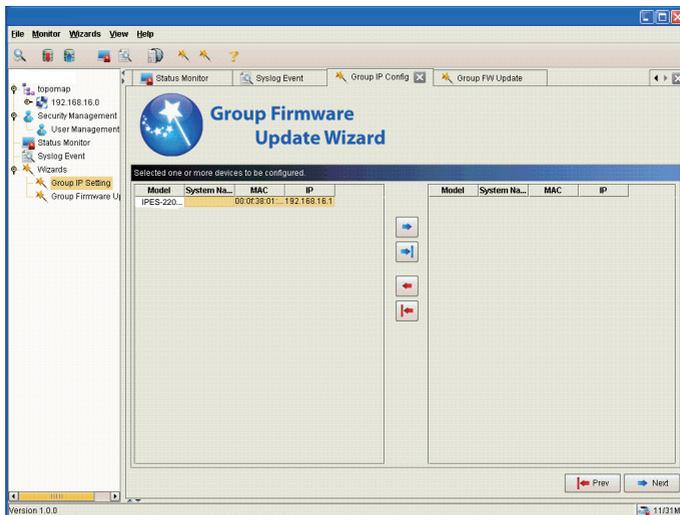


3.9.7 Group IP Setting

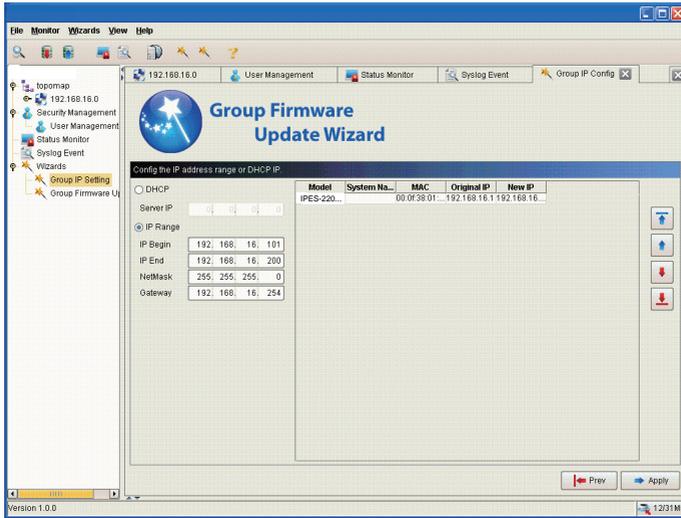
The Group IP Setting will guide you through the process on how to set multiple devices at the same time. When the wizard screen shows up, click Next to continue.



Click to select the items among the left list and click the blue arrow to move them to the list on the right side. Also, you can move the items on the right list to the left by selecting them and clicking the red arrow. When finished, click Next to continue.

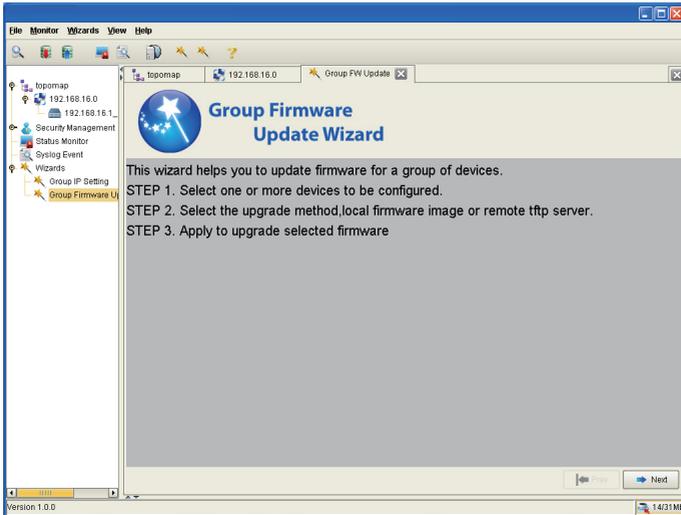


To assign IP addresses to multiple devices, user can choose methods between using a DHCP server and giving a range of IP addresses with netmask and gateway. Verify the DHCP server IP or IP range is correct, and then click the Apply button to start the task.

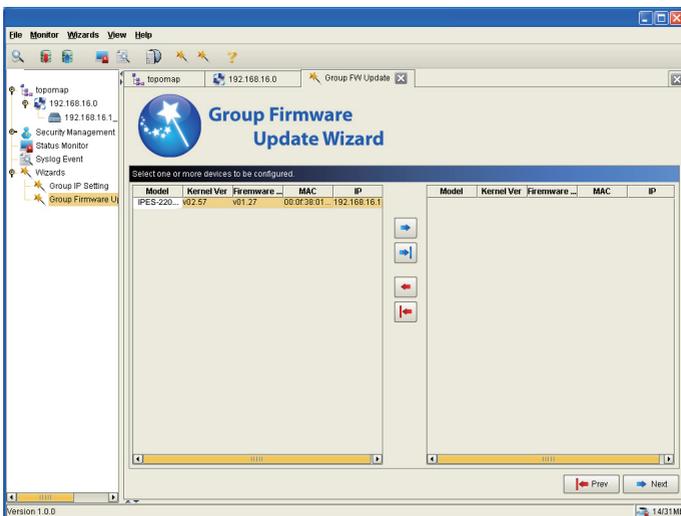


3.9.8 Group Firmware Update Wizard

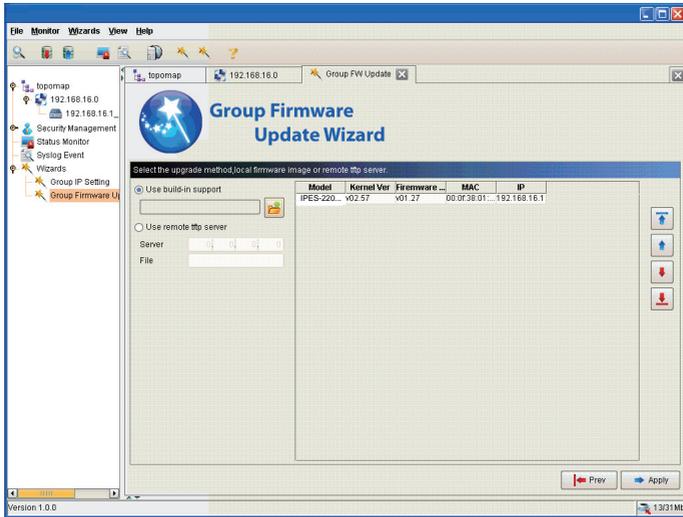
The Group Firmware Update Wizard will guide you through the process on how to update firmware for multiple devices at the same time. When the wizard screen shows up, click Next to continue.



Click to select the items among the left list and click the blue arrow to move them to the list on the right side. Also, you can move the items on the right list to the left by selecting them and clicking the red arrow. When finished, click Next to continue.



Users can choose the update ways between using built-in support and using remote TFTP server.

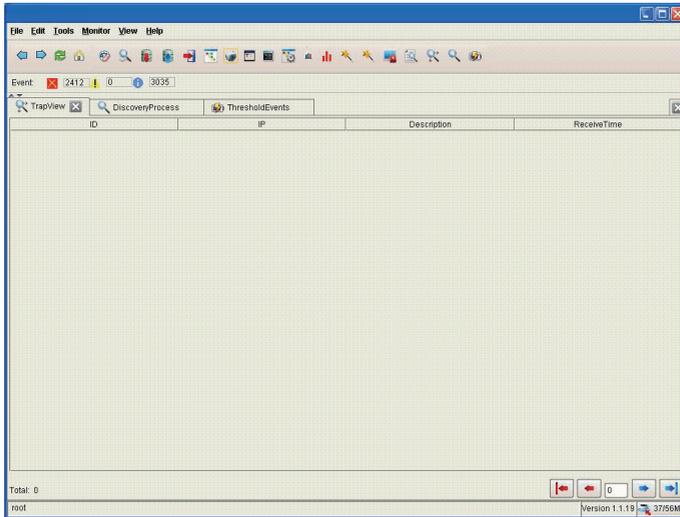


When selecting the **Use built-in support** radion button, click the opening files icon to bring the dialog box to browse the firmware file. Alternatively, you can select the **Use remote tftp server** radion button to specify the server IP address and the file name on the server.

Verify the file is exactly what you want to update and then click Apply to start firmware updating.

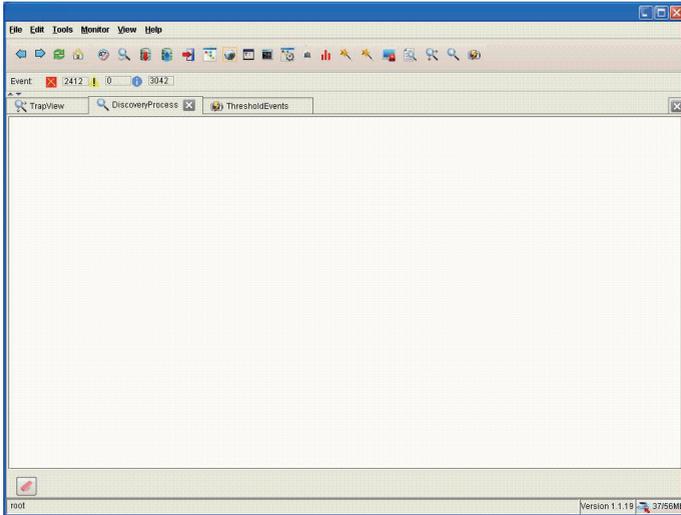
3.9.9 Trap View

Click Monitor → ThresholdEventManager to open the tab which displays the trap messages.



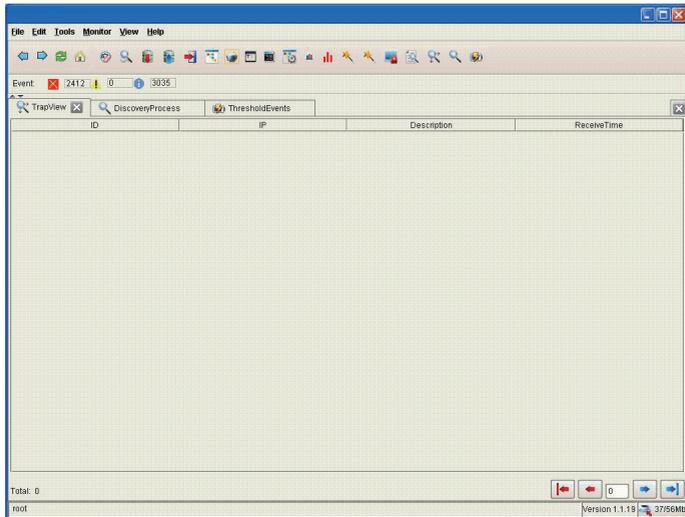
3.9.10 Discovery Monitor

Click Monitor → DiscoveryMonitor to open the tab which displays the process of discovering devices. The information displays row by row in accordance with the settings of the discovery task dialog box.



3.9.11 Threshold Events

Click Monitor → ThresholdEventManager to open the tab which displays the threshold events.



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