

LantechView

LantechView(Lite) Network Management Software (NMS)

- *Devices auto-discovery; port RMON status monitoring*
- *At-a-glance charts, user-friendly GUI and dashboard (LantechView version)*
- *Import/Export individual or batch devices' configuration*
- *Check/upgrade the latest firmware and batch upgrading device firmware*
- *Snapshot for effective troubleshooting*
- *Categorized severities of logs, notification for alerts/warnings, history of scheduled actions (LantechView version)*
- *Scheduling reboot/upgrade/backup device configuration (LantechView version)*

OS5 Platform

OS4 Platform

OS3 Platform

OS2 PRO Platform

OS2 Platform

OS1 Platform

OVERVIEW

LantechView is a user-friendly network management software (NMS) designed to provide network providers with powerful tools for managing the entire Lantech product line and platforms. This software suite includes LantechView Lite and LantechView, both of which support all Lantech L2, L3L, and L3 managed switches or routers across various platforms (OS1, OS2, OS2pro, OS3, OS4, OS5). It streamlines network management, enhances security, and improves operational efficiency and multi-language support (English, Chinese, and Japanese).

User-Friendly GUI, Dashboard, and Charts for Effortless Data Analysis

LantechView features a user-friendly GUI and dashboard, offering an intuitive interface and visually appealing design. These elements simplify navigation through complex tasks, enhance productivity, and make network management accessible to users of all skill levels. The NMS charts are designed for clarity and ease of understanding, presenting data in an intuitive and visually engaging format. This enables users to quickly analyze information and make well-informed decisions. (Dashboard: LantechView version)

Streamlining Network Setup with Lantech devices Auto-Discovery

The auto-discovery feature simplifies network setup by automatically identifying Lantech routers/switches on your network. This powerful capability saves valuable time and effort, enabling a more efficient and streamlined network configuration process.

Detailed Network Insights with Per-Lantech Device Port RMON Status Monitoring; Enhancing Lantech Device Identification with LED Blinking

The per-device port RMON status monitoring feature empowers users with detailed insights into the status or statistics of individual ports on Lantech routers/switches' networks. This capability facilitates proactive maintenance and troubleshooting, making it an essential tool for ensuring optimal network health and performance. By triggering LEDs to blink, users can quickly locate a specific device for efficient troubleshooting support.

Prioritizing Issues with Categorized Log Severities; Auditing and Troubleshooting with Scheduled Action History (LantechView version)

Logs are organized by severity levels, enabling users to efficiently prioritize and address network issues. This structured approach ensures critical problems are resolved promptly, enhancing overall network reliability and

performance. A comprehensive record of past scheduled actions provides valuable insights into network operations and maintenance activities. This feature enhances auditing and troubleshooting processes, ensuring efficient network management. (LantechView version)

Staying Informed with Alert and Warning Notifications; Alerts with User-Defined Event Notifications (LantechView version)

The Viewer notification system promptly informs users of any abnormal network behavior through alerts and warnings. This feature enables quick responses to potential issues, helping to maintain network integrity and stability. Users can tailor notifications for specific chosen events, enabling personalized monitoring and alerting. This flexibility ensures critical network activities are closely monitored, enhancing both security and performance. (LantechView version)

Enhancing Performance with RESTful API Support

The Viewer now features RESTful API support, a game-changing functionality that significantly boosts network management efficiency. This advanced capability streamlines interactions between the utility and network router/switches, enabling seamless communication, efficient control over configurations, and swift data retrieval.

Effortless Configuration Management: Import/Export Monitored Device's Configuration Batch Import/Export multiple devices' Configuration

The Viewer allows network administrators to easily import and export Lantech devices' configurations across systems. This feature simplifies the setup of new Lantech devices or the replacement of existing ones, serving as an essential tool for efficient device management and backup. By enabling seamless configuration transfers, administrators can ensure network consistency, reduce the risk of human error, and save valuable time. The NMS elevates configuration management by enabling batch import and export of configurations for multiple routers/switches simultaneously. This bulk operation capability streamlines network management, ensuring quick and consistent configuration across Lantech devices.

Firmware Management: Check/Upgrade the Latest Version of the Device Firmware Batch Firmware Upgrade for Multiple Devices

The LantechView automates firmware management, allowing administrators to easily check for and apply the latest firmware releases. It also enables batch firmware upgrades across multiple Lantech devices in a single operation, ensuring that all network components are consistently and uniformly updated. This streamlined process enhances efficiency and reduces the risk of errors during firmware updates.

Effectively Troubleshooting: Export the Monitored Lantech devices' SNAPSHOT image Batch Export Multiple Lantech devices' SNAPSHOT images

This feature allows you to export snapshot images from both individual and multiple monitored Lantech devices, provided the hardware supports the snapshot functionality. The snapshot captures detailed router/switch information, including runtime configuration, protocol stack status, and system health. By exporting these snapshot images, remote engineers can quickly diagnose the root cause of issues, significantly saving time and enhancing troubleshooting efficiency.

Schedule Routine Maintenance Tasks for Reboot/Upgrade/Backup Lantech devices' Configurations (LantechView version)

Functions such as router/switch reboot, firmware upgrade, and configuration backup can be set to occur at specific times, automating these crucial tasks and minimizing downtime. This scheduling capability ensures that maintenance activities do not disrupt normal operations, helping to maintain continuous network availability. (LantechView version)

*Future Release

**Optional

LantechView (Lite) installation:

PC platform

Hardware Requirements

- CPU: Quad-core CPU
- RAM: 8 GB or higher
- Hardware Disk Space: 100 GB SSD or higher
- Supported Hypervisors: VM Workstation 17 or above

Software Requirements

- Browser
 - Chrome: Version 76 or above
 - Firefox: Version 69 or above
 - Microsoft Edge: Version 79 or above
- Virtual Machine installed in VirtualBox

LantechView series

Features	LantechView-Lite	LantechView
Discovery Scope	discovery of Lantech devices (routers/switches) across IP subnets and VLAN areas. (Note: The scope of discovery depends on the firmware version of the routers/switches)	
Supported Devices	Lantech L2/L3L/L3 managed switch or routers all series based on OS1/OS2/OS2Pro/OS2Plus/OS3/4/5 platform	
Monitoring aspects	License for 50 devices	License for 50/100/250 devices
Maintenance upgrade firmware & import/export configuration file	●	●
Batch upgrade	●	●
Dashboard		●
Live monitor		●
Logs notification		●
Schedules		●

FEATURES & BENEFITS

- **User-friendly GUI**
- **dashboard (LantechView version)**
 - Easy and at-a-glance charts
 - Useful mass status overview and configuration check
 - Multiple Language support (English, Chinese, Japanese)



- **Lantech Device status monitoring chart and maintenance**

- Router/switch auto-discovery
- Port RMON status monitoring

The screenshot shows a detailed table of device status monitoring in LantechView. The table has the following columns: State, Model Name, Device Name, Serial Number, MAC Address, IP Address, Reboot Count (Warm Reboot, Cold Reboot), System Utilization (CPU, Memory), Power Input (Sources Amounts, Changes), Port Links (Linked, Changes), Auth Failed, and Connection Duration. The table contains 6 rows of data, with 5 devices in a 'Warning' state (red circle) and 1 device in a 'Success' state (green circle).

State	Model Name	Device Name	Serial Number	MAC Address	IP Address	Reboot Count	System Utilization	Power Input	Port Links	Auth Failed	Connection Duration
						Warm Reboot Cold Reboot	CPU Memory	Sources Amounts Changes	Linked Changes		
Warning	unknown	device_285046a00179	unknown	285046a00179	192.168.16.11	0 0	-1% -1%	-1 0	0 0	0 0	a few seconds ago
Warning	unknown	device_285046ff#f7	unknown	285046ff#f7	192.168.16.13	0 0	-1% -1%	-1 0	0 0	0 0	a few seconds ago
Warning	unknown	device_285046ff#f2	unknown	285046ff#f2	192.168.16.14	0 0	-1% -1%	-1 0	0 0	0 0	a few seconds ago
Warning	unknown	device_285046ff#f6	unknown	285046ff#f6	192.168.16.15	0 0	-1% -1%	-1 0	0 0	0 0	a few seconds ago
Warning	unknown	device_285046ff#f16	unknown	285046ff#f16	192.168.16.15	0 0	-1% -1%	-1 0	0 0	0 0	a few seconds ago
Success	IGS-5416MGSFP	device_285046ff#f1	0000000000000001	285046ff#f1	192.168.2.101	0 0	2% 31%	-1 0	2 0	0 0	a minute

Online	Action Status	Model Name	Device Name	MAC	IP	Image 1		Image 2		Actions
						Firmware	Config File	Firmware	Config File	
🔴	Unaccessible	unknown	device_28-60-46-ff-ff1	28-60-46-a001-79	192.168.16.11	unknown	D:\Config File	unknown	D:\Config File	🔄 Reboot 🗑️ Delete
🔴	Unaccessible	unknown	device_28-60-46-ff-ff7	28-60-46-ff-ff7	192.168.16.13	unknown	D:\Config File	unknown	D:\Config File	🔄 Reboot 🗑️ Delete
🔴	Unaccessible	unknown	device_28-60-46-ff-ff2	28-60-46-ff-ff2	192.168.16.14	unknown	D:\Config File	unknown	D:\Config File	🔄 Reboot 🗑️ Delete
🔴	Unaccessible	unknown	device_28-60-46-ff-ff16	28-60-46-ff-ff16	192.168.16.15	unknown	D:\Config File	unknown	D:\Config File	🔄 Reboot 🗑️ Delete
🔴	Unaccessible	unknown	device_28-60-46-ff-ff16	28-60-46-ff-ff16	192.168.16.15	unknown	D:\Config File	unknown	D:\Config File	🔄 Reboot 🗑️ Delete
🟢	Idle	IGS-5416MGSP	device_28-60-46-ff-ff1	28-60-46-ff-ff1	192.168.2.101	v1.02.0032	D:\Config File	v1.02.0032	D:\Config File	🔄 Reboot 🗑️ Delete

■ **Event Logs (LantechView version)**

- Categorized severities of logs
- Logs and alarms of Lantech devices fault or network problems
- Provides comprehensive event history for troubleshooting

Severity	Time	Type	Device Name	IP	Description
🟢 Informational	2023/02/13 11:22:11	🟢 Device Connection Online	device_28-60-46-ff-ff1	192.168.2.101	Device Online
🟡 Warning	2023/02/13 11:22:05	🔴 Device Connection Offline	device_28-60-46-ff-ff1	192.168.2.101	Device Offline
🔵 Notice	2023/02/13 11:20:12	📶 Device Link Change Up	device_28-60-46-ff-ff1	192.168.2.101	Port 16 Link Change - Up
🔵 Notice	2023/02/13 11:12:42	📶 Device Link Change Up	device_28-60-46-ff-ff1	192.168.2.101	Port 15 Link Change - Up
🟢 Informational	2023/02/13 11:12:41	🟢 Device Connection Online	device_28-60-46-ff-ff1	192.168.2.101	Device Online
🟡 Warning	2023/02/13 11:07:25	🔴 Device Connection Offline	device_28-60-46-ff-ff1	192.168.2.101	Device Offline
🟢 Informational	2023/02/13 11:07:12	🟢 Device Access Normal	device_28-60-46-ff-ff1	192.168.2.101	SNMP Access Normal
🟢 Informational	2023/02/13 11:07:11	🟢 Device Connection Online	device_28-60-46-ff-ff1	192.168.2.101	Device Online
🟢 Informational	2022/03/15 19:16:05	🟢 Device Access Normal	device_28-60-46-ff-ff2	192.168.16.14	SNMP Access Normal
🟢 Informational	2022/03/15 19:16:05	🔴 Device Access Timeout	device_28-60-46-ff-ff2	192.168.16.14	SNMP Access Timeout
🟢 Informational	2022/03/15 18:21:54	🟢 Device Access Normal	center	192.168.16.200	SNMP Access Normal
🟢 Informational	2022/03/15 18:21:54	🔴 Device Access Timeout	center	192.168.16.200	SNMP Access Timeout
🟢 Informational	2022/03/15 13:54:13	🟢 Device Access Normal	center	192.168.16.200	SNMP Access Normal
🟢 Informational	2022/03/15 13:54:04	🔴 Device Access Timeout	center	192.168.16.200	SNMP Access Timeout
🟢 Informational	2022/03/15 12:44:34	🟢 Device Access Normal	center	192.168.16.200	SNMP Access Normal
🟢 Informational	2022/03/15 12:44:34	🔴 Device Access Timeout	center	192.168.16.200	SNMP Access Timeout
🟢 Informational	2022/03/15 11:13:45	🟢 Device Access Normal	device_28-60-46-ff-ff2	192.168.16.14	SNMP Access Normal
🟢 Informational	2022/03/15 11:13:45	🔴 Device Access Timeout	device_28-60-46-ff-ff2	192.168.16.14	SNMP Access Timeout
🟢 Informational	2022/03/15 09:16:05	🟢 Device Access Normal	center	192.168.16.200	SNMP Access Normal
🟢 Informational	2022/03/15 09:16:04	🔴 Device Access Timeout	center	192.168.16.200	SNMP Access Timeout

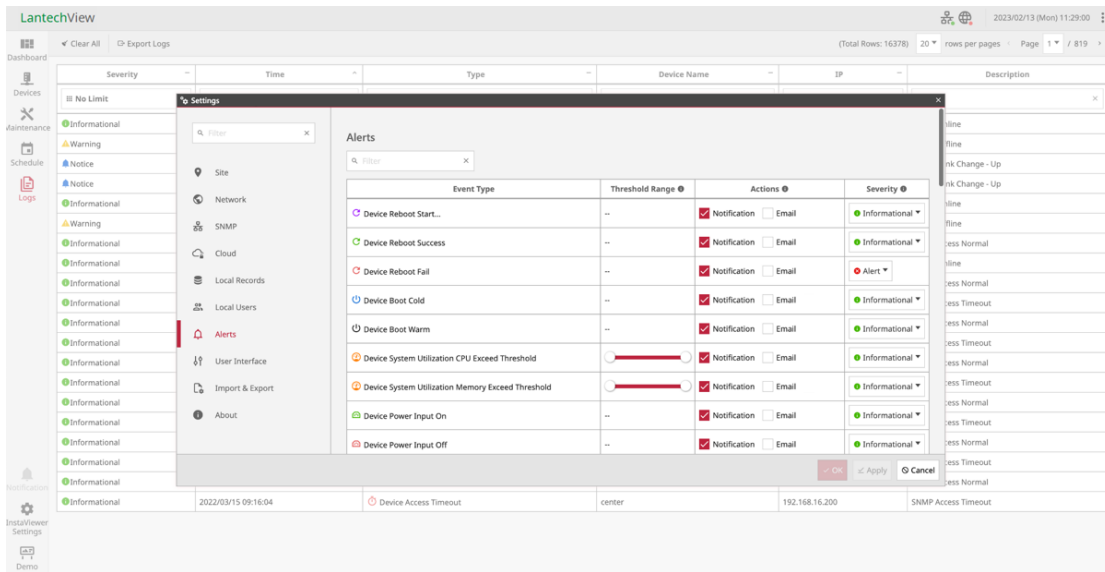
■ **Alert setting (LantechView version)**

- Real-time event notification
- Supports different kinds of events:

Lantech devices: boot/reboot, CPU/memory utilization exceed threshold, power input, access timeout, install firmware, import/export configuration, connection offline, port link up/down, hardware monitor status, IP change, scheduling

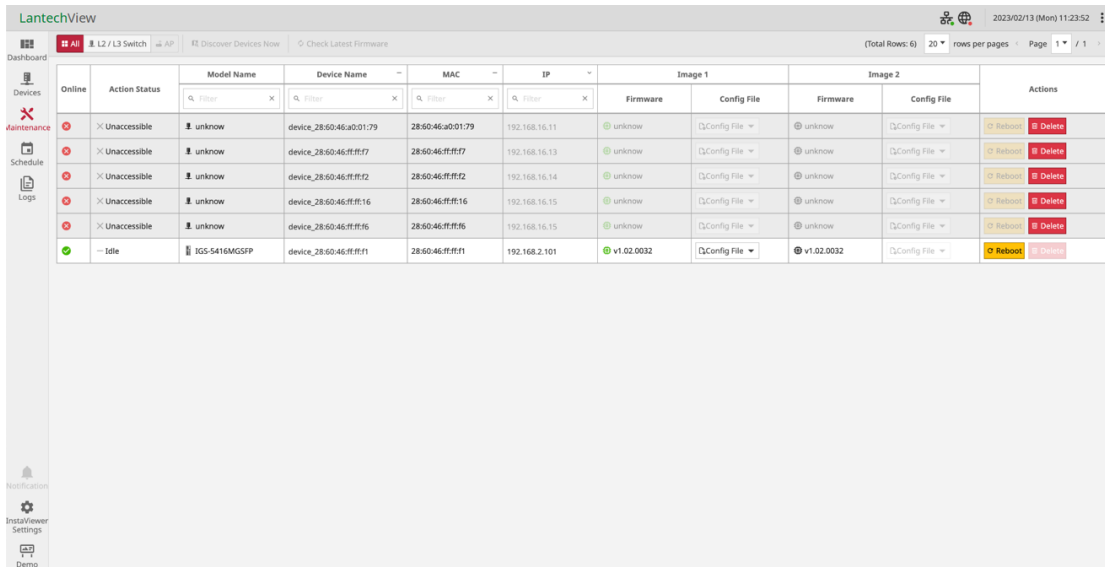
Viewer: dashboard reset, WAN/LAN connection status, reboot, Viewer firmware install, Viewer import/export configuration

- Alerts with user-defined events to be notified



Centralized Configuration and Firmware Management

- Import/Export monitored router/switch's configuration
- Batch Import/Export multiple router/switches' configuration
- Check/Upgrade the latest version of the router/switch firmware
- Batch upgrade multiple routers/switches' firmware



■ Scheduling status (LantechView version)

Name	Start Time	Duration	Task Count	Note	Execution State	Execution Results	Actions
scheduName0	2023/02/13 11:54:26	0 6, 00:01:40	1	test schedul note	Idle	5 Success 0 Failed	View Details Delete Cancel & Abort Now
scheduName1	2023/02/13 11:54:26	0 6, 00:03:20	1	test schedul note	Waiting For Previous	4 Success 1 Failed	View Details Delete Cancel & Abort Now
scheduName2	2023/02/13 11:54:26	0 6, 00:05:00	1	test schedul note	Running (1 / 1)	3 Success 2 Failed	View Details Delete Cancel & Abort Now
scheduName3	2023/02/13 11:54:26	0 6, 00:06:40	1	test schedul note	Finished	2 Success 3 Failed	View Details Delete Run Again

■ Scheduling configuration (LantechView version)

#	Type	Time	Name	Task Count	Note	Actions
1	One-time Only	2023/02/01 (Tue) 00:01:00	Upgrade firmware	3	Upgrade the device C	Edit Delete Run Now
1	Repeated	00:01:00 Mo,Tu,We,Th,Fr,Sa	periodic reboot	3	periodically reboot the device A	Edit Delete Run Now

Schedule Editor

Name: test schedule

Note: For demo only

Type: One-time Only Repeated

Start Time: 2023/02/16 11:13

Add Task

Seq	Device Name	Model Name	IP	Action	Action Parameters	Actions
1	device_2850-461f71f1	JOS-5416MGSP	192.168.2.101	Device Reboot	Image 1	Edit Delete

Save Cancel

ORDERING INFORMATION

- **LantechView Lite – 50 nodes license.....P/N: 9000-130**
- **LantechView- 50 nodes license.....P/N: 9000-131**
- **LantechView- 100 nodes license.....P/N: 9000-132**
- **LantechView- 250 nodes license.....P/N: 9000-133**

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