NMS Server Model Number:NMSX1

The NMS server software is based on the BS structure. The installation and operation environment is a Linux server. It is accessed through the web browser WEB-GUI.

The system performs network management on all devices in the system based on the SNMP protocol. The management objects include IP PBX, Recorder, office telephone, subway station telephone and tunnel telephone, etc., all telephones registered to the system. The management content includes: map navigation to quickly locate the location of each phone terminal, real-time view of the health status of each managed object, and any alarms in the terminal or IP PBX and RECORDER are reported immediately.

Software Model number: S- NMS-X1-0.0.4-13

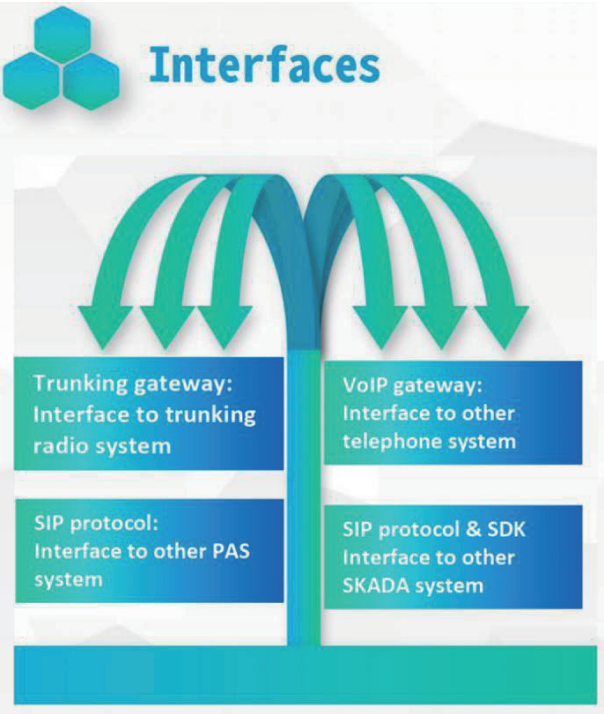
Description: Network Management System software
License SKU: KNNMS-X1-SNMP-0.0.4-13
Description: KNNMS-X1 Network Management system license
Licence SKU for management authority 28 account number
For dispatcher Agent: KNNMS-X1-SNMP-0.0.4-13-AG28
For management Admin: KNNMS-X1-SNMP-0.0.4-13-AD28

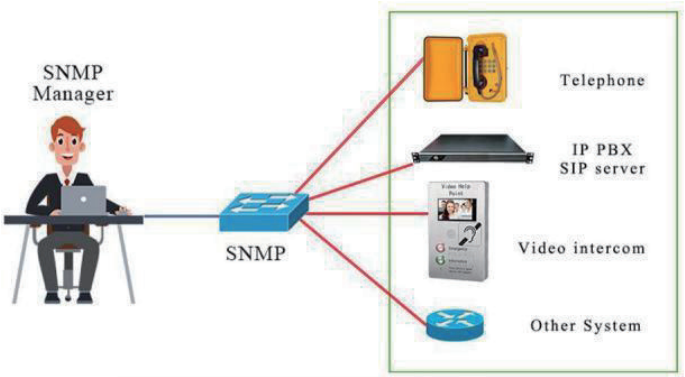
Server hardware

Hardware SKU： KNSERVER-HW1

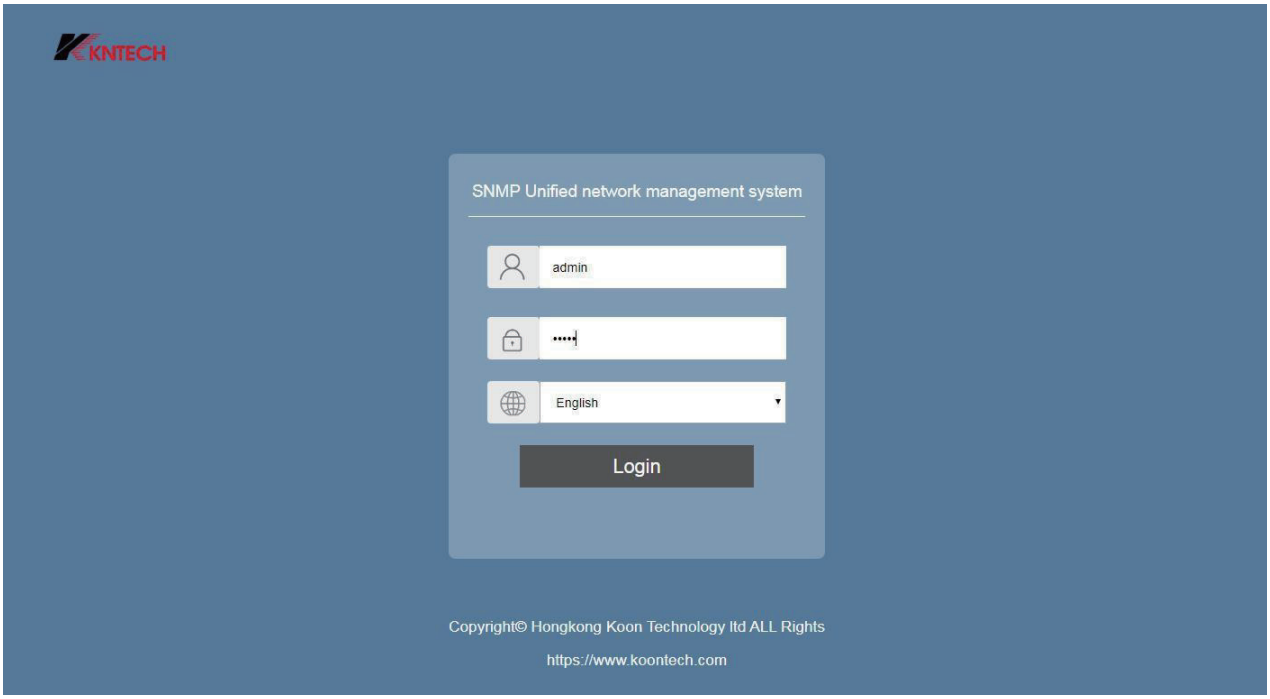
Brand:	KNTECH
Network interface:	Using dual gigabit interface(10/100/1000M Ethernet adaptive)
Nat router:	Support (user configuration)
Reset switch:	Support web configuration
Global Universal power supply:	input: 100-240VAC,50/60Hz，dual power supply optional
Weight: Equipment weight:	4kg, packing: 4.5kg
Use the environment:	Operation environment: 32-113oF/0~45℃ Humidity: 10-90% Storage environment: 14-140oF/-10~60℃ Humidity: 10-90%
Size:	440mm L X185mm (W) x 44mm (H) IU standard
Installation:	Desktop or cabinet installation

System Architecture Diagram





Browser log-in WEB-GUI



Network Management System (NMS)

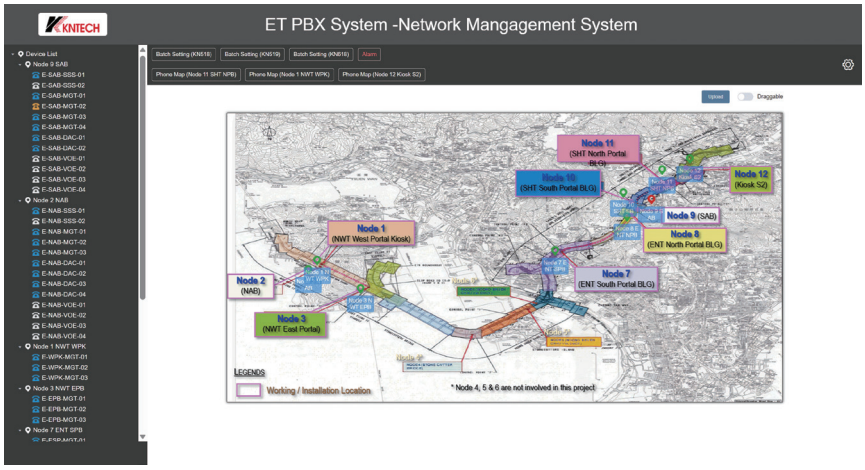
Category	Description
Overview	• Web - based SNMP unified network management platform running on a Linux server, providing centralized monitoring,management, and reporting for IP-based communication systems via standard Web-GUI.
Unified Device Management	• Centralized management of IP PBX,recording servers, telephones, tunnel phones, station phones, and other IP terminals • Device registration, maintenance, and lifecycle management • Real-time device status and connectivity monitoring
Monitoring & Alarm Management	• Real-time system and device health monitoring • Automaticalarm detection and alarm list display • Alarm acknowledgment and handling viaWeb-GUI
Map-Based Visualization	• Map navigation to locate terminals and devices geographically • Fast identification of fault locations for maintenance and emergency response
Reporting	• System operation reports and event logs Call - related statistics and usage records available through the NMS platform • Support generation of management and billing - related reports for system operation analysis optional
User & Authority Management	• Multi-user account support • Role-based access control for dispatcher and administrator roles
System Architecture & Scalability	• Standard SNMP protocol and web architecture

	• Scalable design supporting future system expansion • Compatible with existing network infrastructure
Deployment	• Web browser access, no dedicated client required • Supports rack-mounted or desktop installation

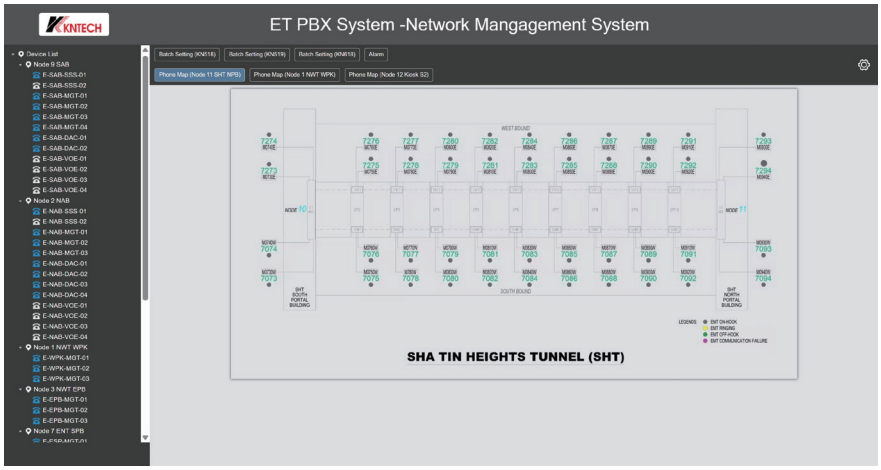
NMS + Laptop Workstation Solution optional

Item	Description
Map-Based Visualization	• The NMS can be supplied together with a dedicated laptop workstation to form a complete operation and maintenance solution.
Operation Mode	• Operators and administrators access the NMS Web-GUI via a standard web browser, enabling flexible local or mobile network management.
Application Scenarios	• Suitable for control rooms, maintenance centers, and on - site operation scenarios.
Key Benefits	• Improves system operation efficiency, mobility, and response speed.

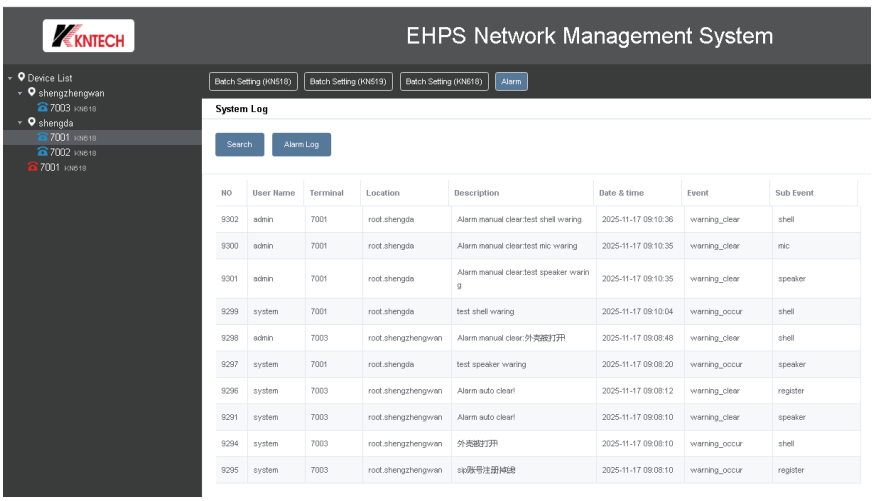
1.Top level monitors the whole line; faults appear as clickable red icons.



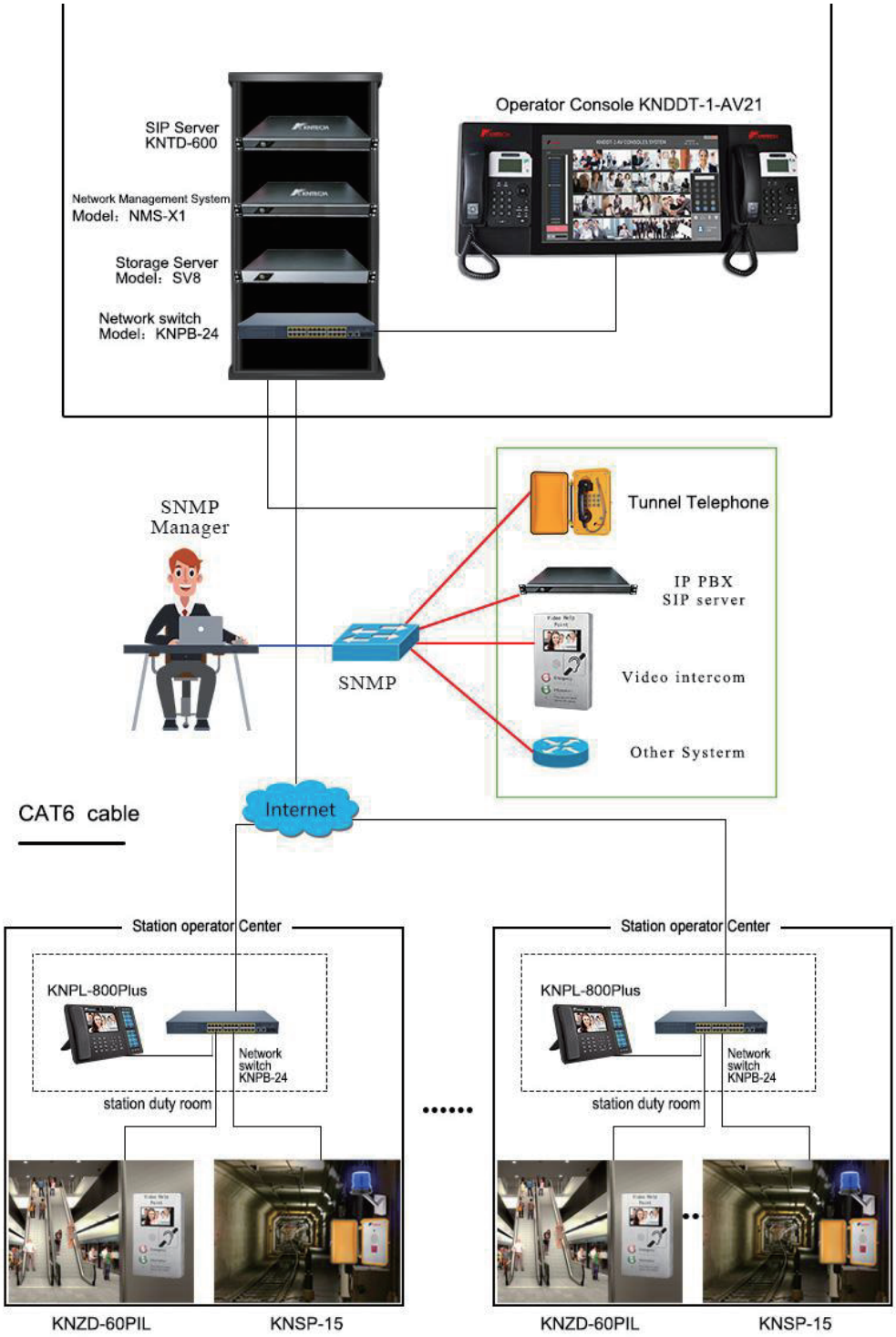
2. Zoom in from the line view to see station/node device status, with active alarms shown as pink icons.



3. Zoom in again for telephone components status(basis on telephone terminal support)



NO	User Name	Terminal	Location	Description	Date & time	Event	Sub Event
9302	admin	7001	root.shengda	Alarm manual clear:test shell waring	2025-11-17 09:10:36	warning_clear	shell
9300	admin	7001	root.shengda	Alarm manual clear:test mic waring	2025-11-17 09:10:35	warning_clear	mic
9301	admin	7001	root.shengda	Alarm manual clear:test speaker warning	2025-11-17 09:10:35	warning_clear	speaker
9299	system	7001	root.shengda	test shell waring	2025-11-17 09:10:04	warning_occur	shell
9298	admin	7003	root.shengzhengwan	Alarm manual clear:外壳被打开	2025-11-17 09:08:48	warning_clear	shell
9297	system	7001	root.shengda	test speaker waring	2025-11-17 09:08:20	warning_occur	speaker
9296	system	7003	root.shengzhengwan	Alarm auto clear!	2025-11-17 09:08:12	warning_clear	register
9291	system	7003	root.shengzhengwan	Alarm auto clear!	2025-11-17 09:08:10	warning_clear	speaker
9294	system	7003	root.shengzhengwan	外壳被打开	2025-11-17 09:08:10	warning_occur	shell
9295	system	7003	root.shengzhengwan	sip账号注册掉线	2025-11-17 09:08:10	warning_occur	register



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