IGNITION
DESIGN LABS

NMP

Network and Management Cloud platform

Product Introduction

Network and Management Platform (NMP) is a multifunctional system that unifies the management of network devices and operations. Leveraging cloud technologies like Docker virtualization and distributed big data storage, along with multi-user management features, NMP ensures powerful functionality, easy administration, and enhanced security. Built for enterprise-grade O&M and security, while simple enough for small businesses.

Product Feature

Cloud service

- SaaS for wireless public cloud service, providing a convenient, fast, secure, and cost-effective operation platform
- Layered multi-user management platform (rights- and domain-based management)
- Multi-dimensional operation support and service, including online/offline professional network planning and operation support
- Private cloud deployment (If required, NMP can be independently deployed on a local server or virtual machine.)

Flexible wireless service operation and management

- Independent or batched management based on a single device, user, or project
- Accurate multi-level visitor traffic flow statistics and analysis
- User online behavior statistics and analysis
- Intelligent alarm management and e-mail notification
- Cloud diagnosis functions
- Built-in AI Q&A tool

Project-based management

- Fast and clear configuration procedure
- AI-powered terminal discovery and recognition
- Project statistics and analysis

Intelligent product solution

- Formulating and generating customized product solutions in a few minutes, reducing the pre-sale cost

Robust security management

- User login/logout log
- User online behavior tracking
- Compliance with local policy of public wireless Internet access security
- Rich wireless Portal authentication modes

Open API business and data service

- Restful API architecture
- Statistical and analytic data, raw data, and application data APIs

Product Specification

Deployment mode	Description
Deployment mode	• Public/private cloud deployment • Local server deployment

Quick start	Description
Project management	• Fast configuration of new projects, devices, and sites • Project-based management and maintenance
Solution formulation	• Automated generating of product solutions

Platform management	Description
Resource overview and statistics	• Total quantity and added quantity of APs and areas • AP and area quantity statistics based on area type and attribute
Wireless parameter configuration	• Wireless parameter batch configuration based on area • Wireless usual parameter, SSID, and security configuration • Country code & channel & power configuration
Portal authentication and page configuration	• Configuration of portal authentication modes (such as free, countdown, one-key, SMS, account/password, WeChat public account, QR code, self-service and combo) • Authentication parameter configuration • Portal page configuration
User and permission	• User management based on role, privilege group, and resource • Four pre-defined roles: system administrator, agent, installation and maintenance engineer, and end user • User personal information management
System management	• Use login/out and system operation log and record • View and push of private message

Intelligent O&M	Description
Network overview and statistics	• Device state real-time monitoring and information statistics • Network, device, and user detail statistics • Network quality, popularity, efficiency, active device, and wireless user statistics and ranking
Network management	• Device state real-time monitoring and information statistics • Real-time monitoring and statistics of the performance data
Alarm management	• Device abnormal alarm real-time reporting and alarm classification statistics • Alarm e-mail notice customization and management
Network diagnosis	• Upload/download average/peak speed and network delay test and diagnosis • 2.4G/5G wireless interference test and diagnosis • Device remote fault positioning • Platform wireless user and user online behavior statistics and analysis

Security auditing	Security auditing
Device state monitoring	• Audit about the device service state, data upload state, and locale operation state • Device state-based device fast search and classification statistics
Security audit	• The record and audit of user online/offline and authentication information • User online log based on auditing, including user/terminal information, application type and protocol, public-access IP address and port, and internet-access site • Data, user, and site information-based fast search of user login/logout and online log
Data interaction	• Interoperation with network surveillance platform (data format complies with relevant regulations) • Data storage and caching period management

Note: The specifications may change without notice.