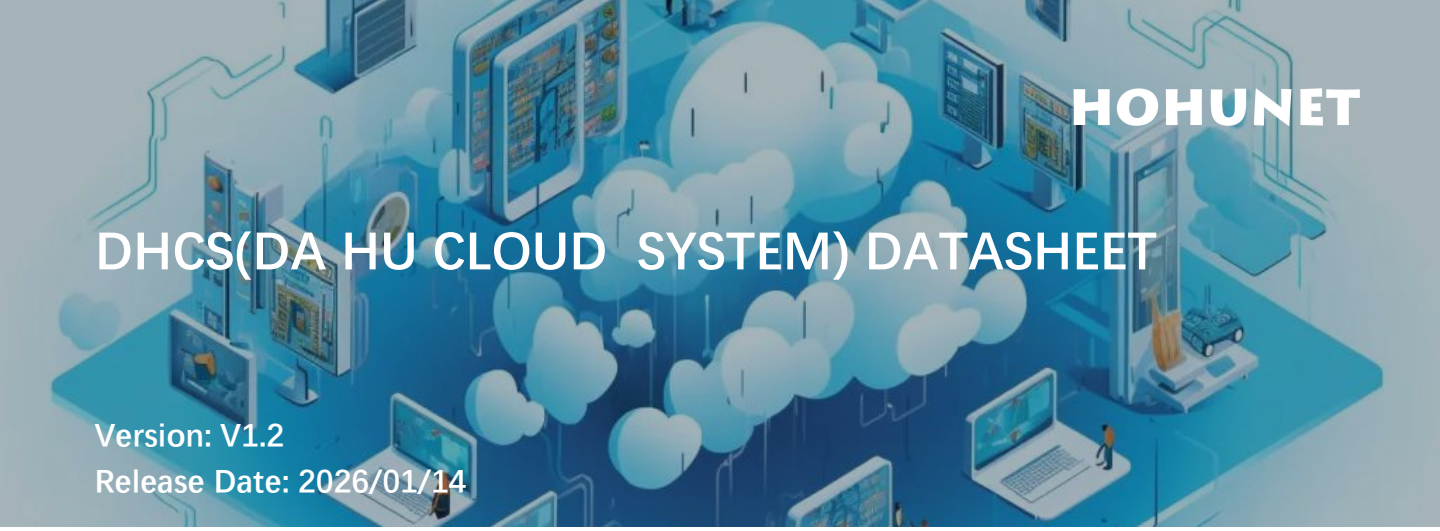


HOHUNET

DHCS(DA HU CLOUD SYSTEM) DATASHEET

Version: V1.2
Release Date: 2026/01/14

Overview

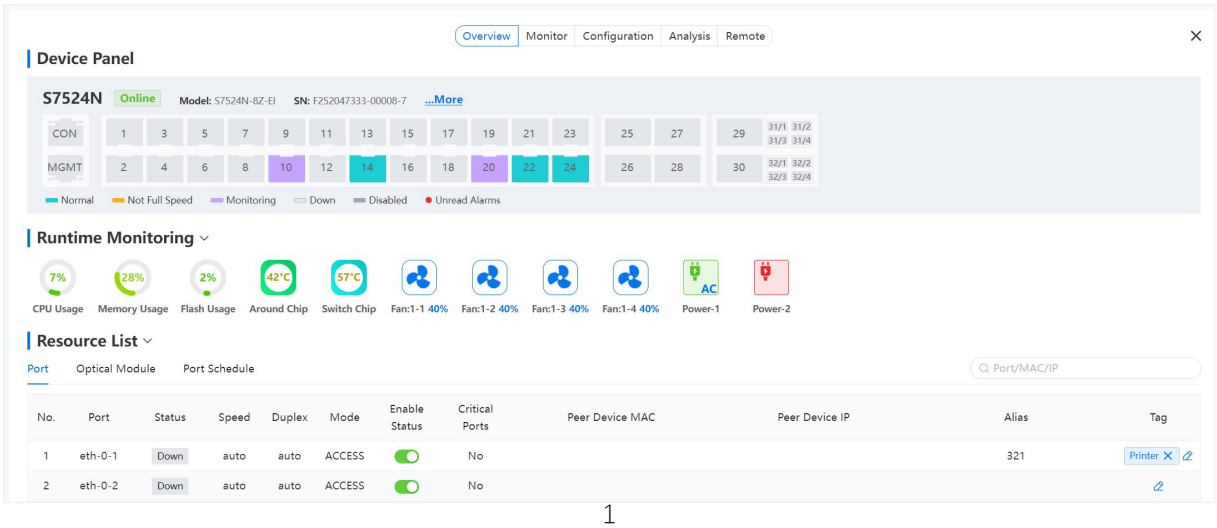
DHCS (DA HU CLOUD SYSTEM) is a networking management system independently developed by HOHUNET, designed for enterprise networks, campus networks and SMB network environments. It provides comprehensive management functionalities—from ZTP (Zero Touch Provisioning) deployment to device on boarding, device monitoring, remote configuration and maintenance, OTA upgrades, panel simulation, configuration rollback, and template-based configuration.

keywords

- Support public cloud deployment and internal local area network deployment via the same Software Platform.
- Integrated secure remote tunneling technology enables network operation and maintenance from anywhere.
- Support ZTP (Zero Touch Provisioning) management and launch.
- Automatic topology discovery and visualization.
- Simulation panel control and monitoring.
- Support both multi-organization mode and single-organization mode simultaneously.

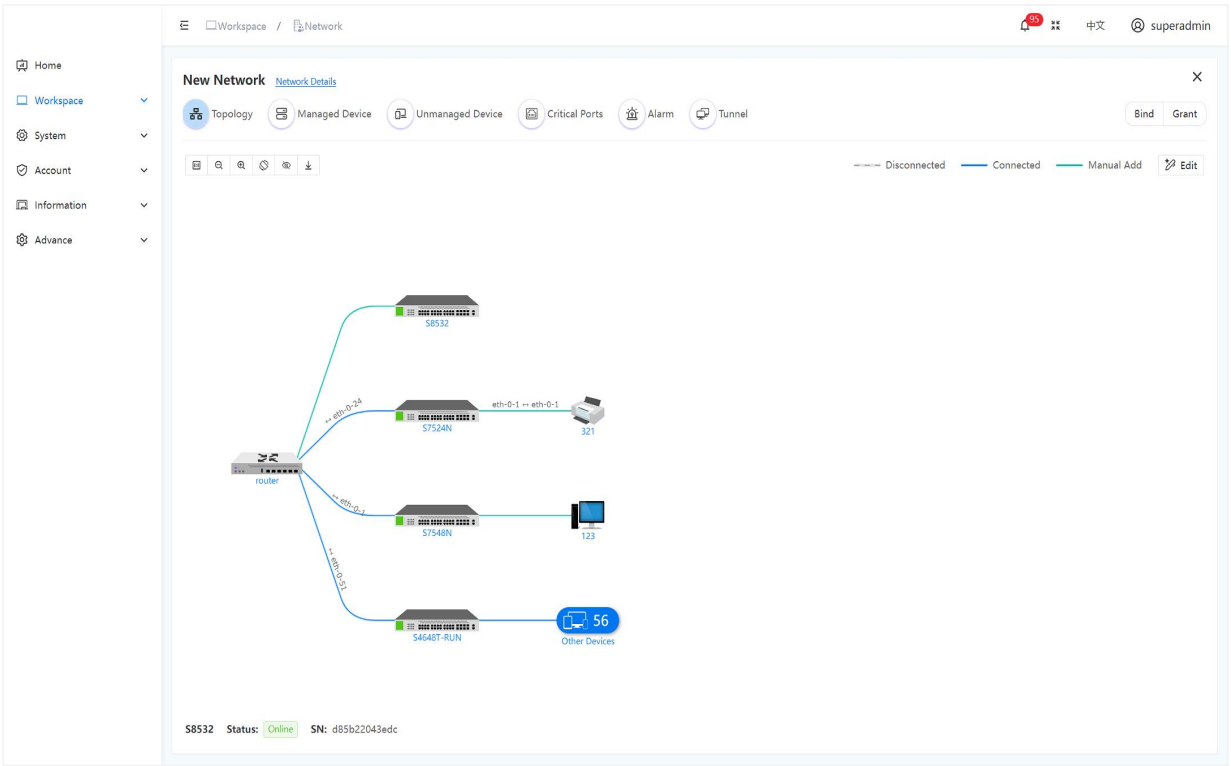
Graphical Simulation Panel

DHCS adopts a graphical simulation panel for operation, providing customers with an unparalleled operational experience.



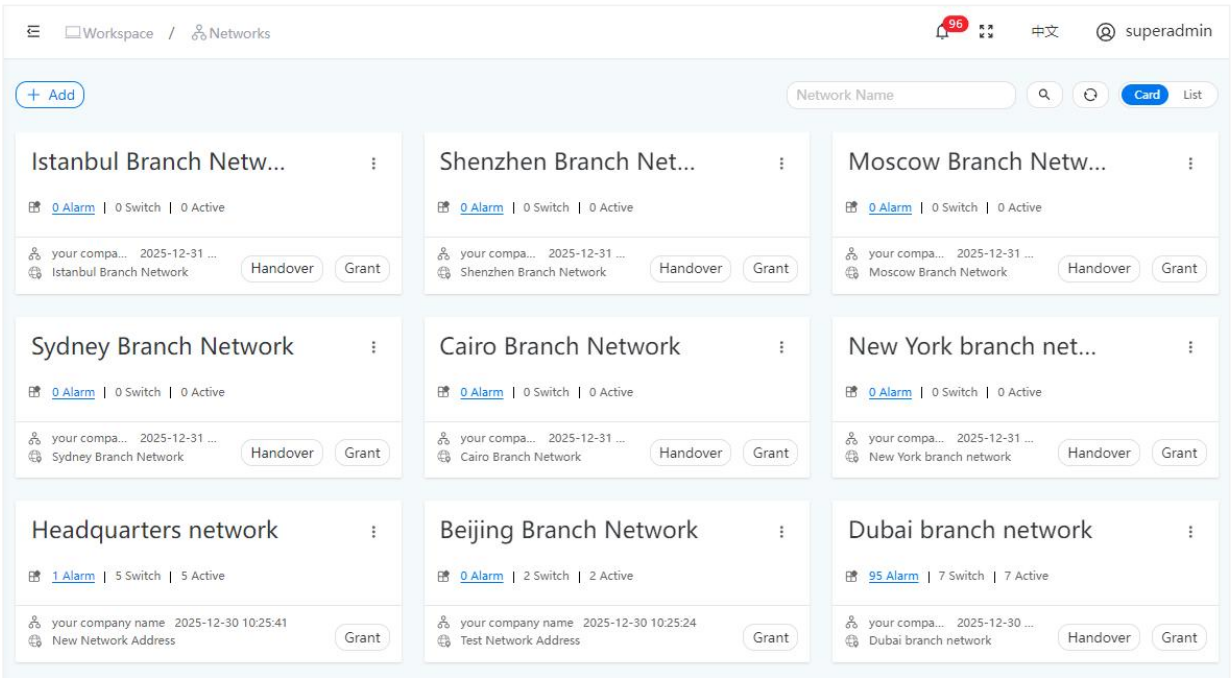
Automatic TOP Discovery and Visualization.

DHCS automatically discovers network nodes based on the neighbor discovery protocol and automatically generates a network topology map.



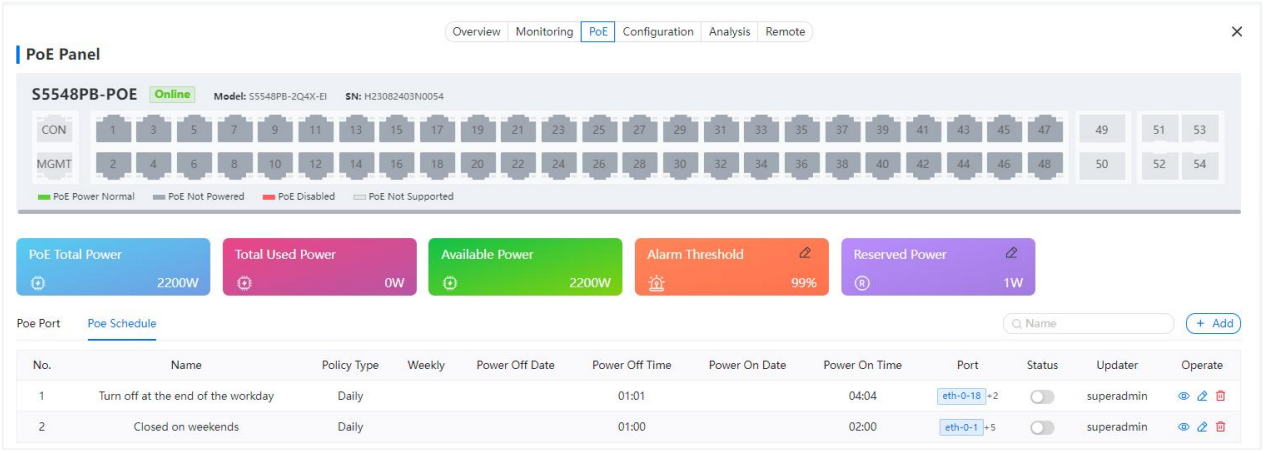
Multi-network Domain Management

DHCS supports multi-domain network management and assigns different management permissions to different network domains.



Intelligent POE Network Energy Management and Control

Support the energy planning function and provide programmable capabilities for the POE energy network.



DHCS Installation Package and Image

Release List
DHCS for Ubuntu install package （ubuntu 20.04.6 LTS /22.04.5 LTS /24.04.3 LTS)
DHCS for VM and ESXi image
DHCS for Podman image

DHCS Minimum Installation Host Technical Requirements

Item	requirements	Remark
OS	ubuntu 20.04.6 LTS ubuntu 22.04.5 LTS ubuntu 24.04.3 LTS	Server version, kernel ⩾ 4.14 (check with uname -r)
CPU	X86 4 cores with 8 threads, and frequency is over 2.8 GHz	
Memory	>=4GB	Based on 2000 devices
HD	>=500G	Based on 2000 devices
NIC	>=100M	Based on 2000 devices
Bandwidth	>=3M	Based on 2000 devices

DHCS Features List table

Type	Feature		Remark
Deployment mode	Public cloud deployment	Provide device management services based on the public network	
	Local Area Network Deployment	Provide device management services based on the local area network	
Operating model	Multi-organization operation	Multiple enterprises/groups/organizations share a management platform with isolated permissions.	
	Single organization operation	A single organization uses a single management platform.	
Multi-network management	Multiple "networks" can be created, and independent management permissions can be configured for each.		
Basic device management	Graphical simulation panel		
	Port connection status monitoring		
	CPU utilization monitoring		
	Memory utilization monitoring		
	Flash utilization monitoring		
	FAN utilization monitoring		
	PSU utilization monitoring		
Optic Transceivers status monitoring	Vendor information discovered		
	Module type information display		
	Temperature monitoring		
	Voltage(V) monitoring		
	Current(mA) monitoring		
	Tx /RxPower(dBm) monitoring		
Port Schedule	Custom port enable/disable plan	Daily /Weekly/ Specified Date	
		Multiple plans	
		Custom port range	

Type	Feature		Remark
Port traffic monitoring	Upstream Traffic monitoring		
	Downstream Traffic monitoring		
	Upstream Packet Rate		
	Downstream Packet Rate		
Configuration Management	ShowRunningConfig		
	ShowStartupConfig		
	One-click Configuration Rollback		
	Configure the switch based on the reference template		
POE Management	POE Config	Enable / Disable PoE	
		Priority adjustment	
		Alarm Threshold Config	
		System Reserved Power Config	
	POE Monitoring	Port Power Status	
		Port Current(mA)/Voltage(V)	
		Port PSE Chip Temperature(℃)	
		Port Priority	
		Port Actual Power(W)	
		System PoE Total Power budget	
		System Total Used / Available Power	
Log and Diagnosis	Obtain device logs		
	Obtain the device diagnostic report		
Remote Maintenance	Remote WEB access based on tunneling technology		
	Remote SSH access based on tunneling technology		
	Remote TELNET access based on tunneling technology		
Network TOP discovery and mapping	TOP drawing	Automatic drawing based on the neighbor discovery protocol	
		Manual drawing and editing	

Type	Feature		Remark
Network TOP discovery and mapping	Manually add third-party device	Computer	
		Switch	
		Printer	
		Router	
		Server	
		Custom	
		AP	
Device registration and binding	Registration to DHCS	USB disk ZTP method	
		DHDP Automatic discovery protocol	
		Manual CLI registration	
		WEB GUI interface registration	
	Bind a device to a network	Binding code binding	
		Network number binding	
Top detail function	Port number and connection relationship		
	Alarm indication bubble		
	Adjust the top direction		
	Zom in/out		
	Top Download		
Network handover and authorization	Handover	Automatically generate handover report	
		Automatic transfer of authority	
	authorization	Provide temporary or permanent network access privileges for other accounts.	
Alarm	Network Alarm	Loop Detection Alarm	
		CRC Error Alarm	
		Link Aggregation Group Alarm	
	Optical Alarm	Optical Power Degradation Alarm	
		Temperature Alarm	
		Voltage Alarm	

Type	Feature		Remark
Alarm	Optical Alarm	Current Alarm	
	Resource Alarm	CPU Usage Alarm	
		Memory Usage Alarm	
		Storage Usage Alarm	
		Critical Port Failure	
		Temperature Alarm	
		Fan Alarm (Speed 100%)	
		Fan Alarm (Speed 0%)	
		Fan Alarm (Fail)	
		Downlink Traffic	
		Uplink Traffic	
		POE Power Alarm (Threshold)	
		POE Power Alarm (Reserved)	
	Reboot Alarm	Manual Reboot	
		Power Off Reboot	
		Over Temperature Reboot	
	Alarm message notification	Top bubble	
		E-Mail	
		Mobile phone message service	
		WeChat	
		Customized other message channels	
OTA upgrade	Upgrade package file management		
	Scheduled upgrade package delivery		
	Scheduled restart function (reducing the impact of network interruptions on business operations)		
Configuration Template Management	Configuration template addition, edit, download, and deletion		
ZTP template	Automatically generate ZTP templates		

Type	Feature		Remark
System setting	DHCS Host machine monitoring	CPU/Memory/Disk/TCP Connection Status/System /Network Traffic	
	Platform Setting	Platform Owner Setting	
		cloud service domain name or ip address Setting	
		Default Language Setting	
		System Display Name Setting	
		Copyright information Setting	
		Privacy Policy Setting	
		User Agreement Setting	
		Service Agreement Setting	
		Login Page Logo Setting	
		Browser Icon Setting	
		Top-left Logo Setting	
		SMTP Server and ID Setting	
		WeChat Setting	
	Operate Log	Automatically record all user operation logs	
	Email Template	Customize Email Notification Message Template	
License	Purchase license files flexibly based on the size of the network.		
Account, Role, Authorization	account	Account addition / edit / lock / deletion	
	roles	Customized roles and role permissions	
	Authorization	Granting authorization to accounts based on role definitions	

DHCS Order List	
DHCS V1.0	DHCS Software V1.0, Includes 5 free nodes
DHCS license 50	DHCS 50-node license, with multiple licenses that can be cumulatively added.
DHCS license 100	DHCS 100-node license, with multiple licenses that can be cumulatively added.

About HOHUNET:

HOHUNET was established in 2015 as a technology-oriented company specializing in the independent development of switch products based on domestic chips. With the continuous evolution of chip technology, HOHUNET has launched a range of differentiated products based on this chip platform. Currently, the company's product line covers a range from 1G to 800G and can be used in scenarios such as enterprise networks, carrier networks, data centers, and AI computing power. Currently, the main cooperation model for the company is OEM/ODM, dedicated to providing customers with flexible and end-to-end customized products and technical consulting services. Becoming the most trusted business partner for customers has always been the company's mission and principle.

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