

# DHCS (DA HU CLOUD SYSTEM) DATASHEET

Version: V1.1

Release Date: 2025/12/31

## Overview

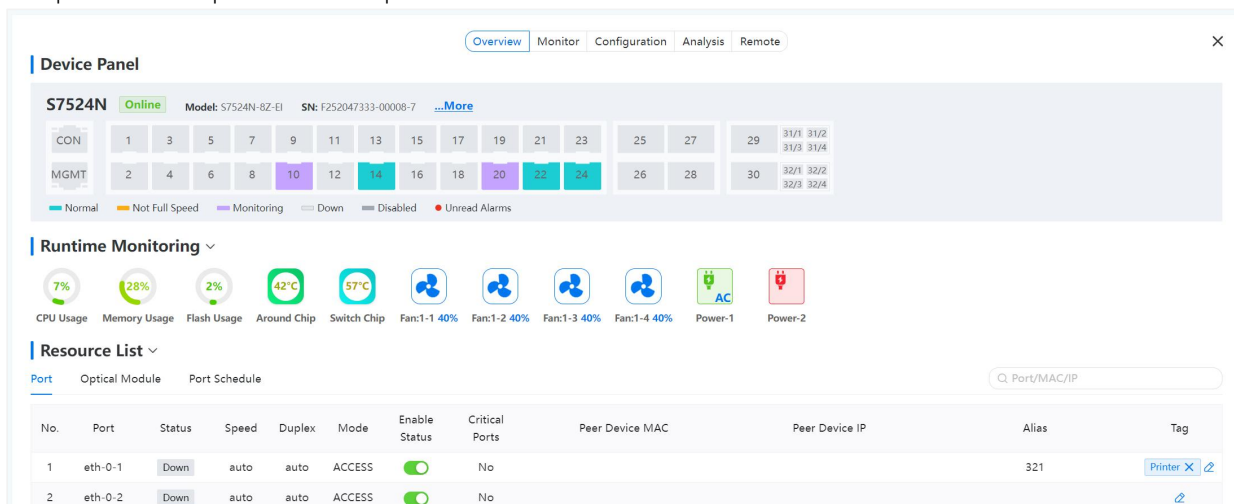
DHCS (DA HU CLOUD SYSTEM) is a networking management system independently developed by HOHUNET, designed for enterprise networks, campus networks and SMB network environments. It provides comprehensive management functionalities—from ZTP (Zero Touch Provisioning) deployment to device onboarding, device 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.

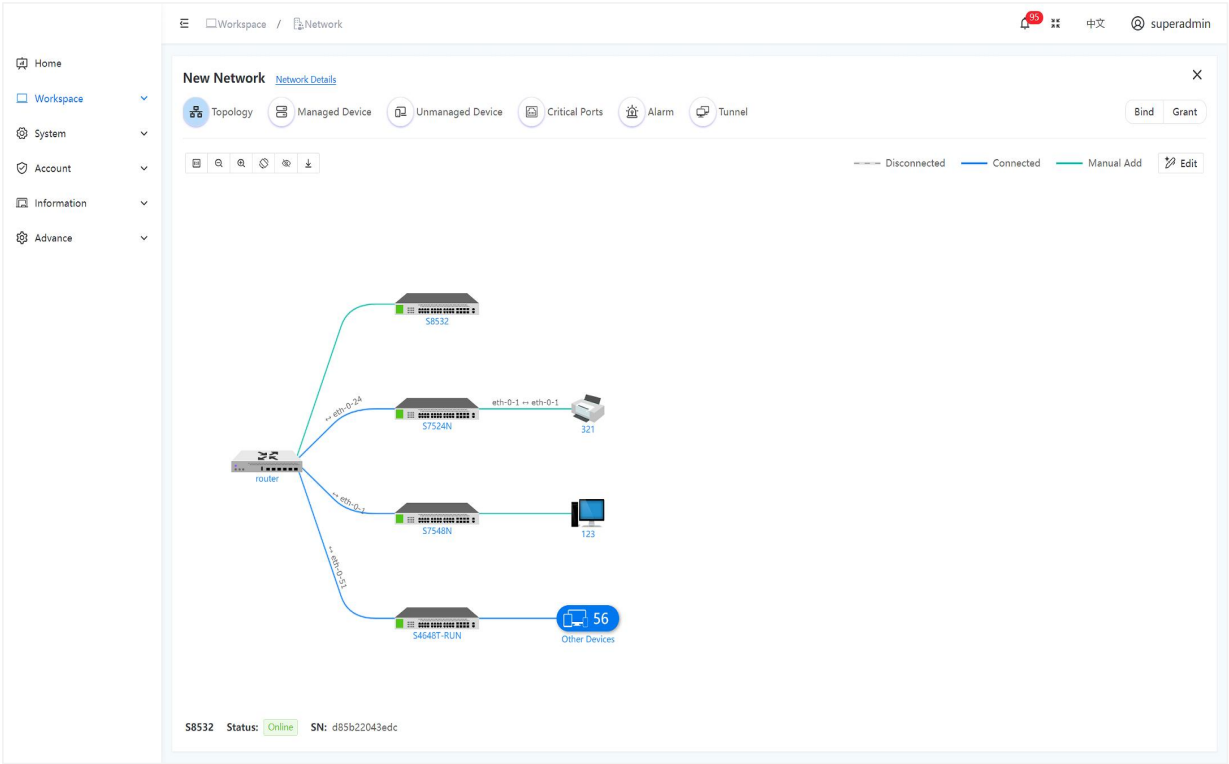
## Graphical Simulation Panel

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



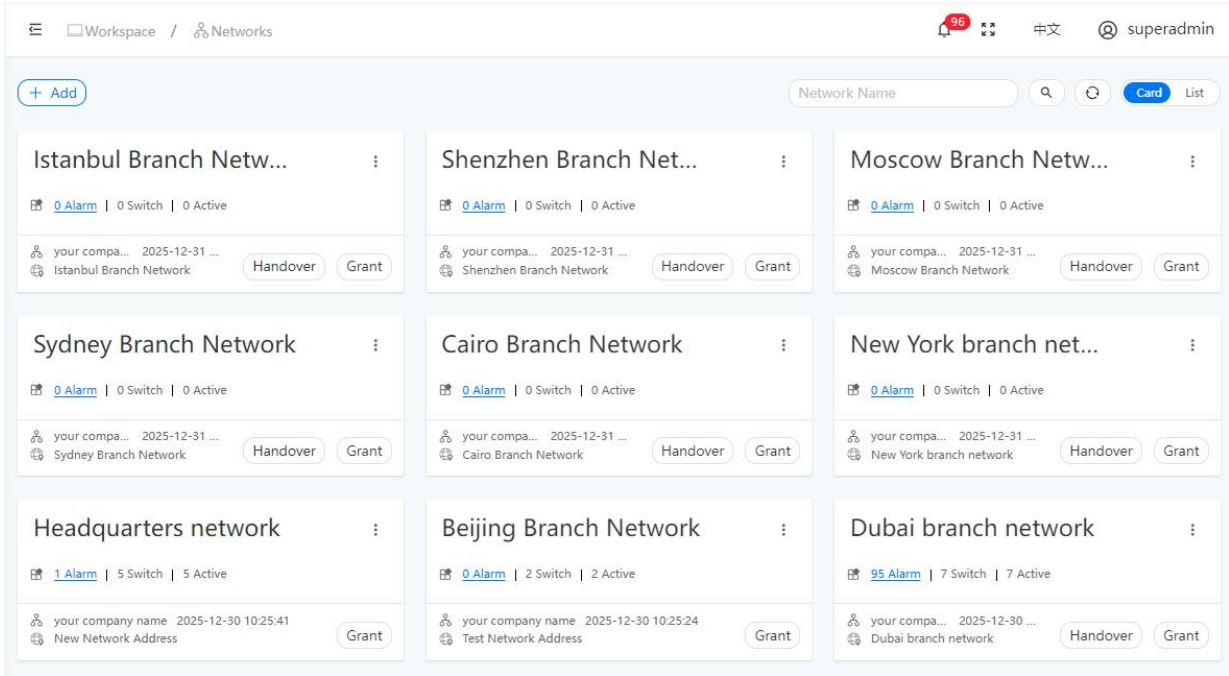
Automatic TOP Discovery and Visualization.

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



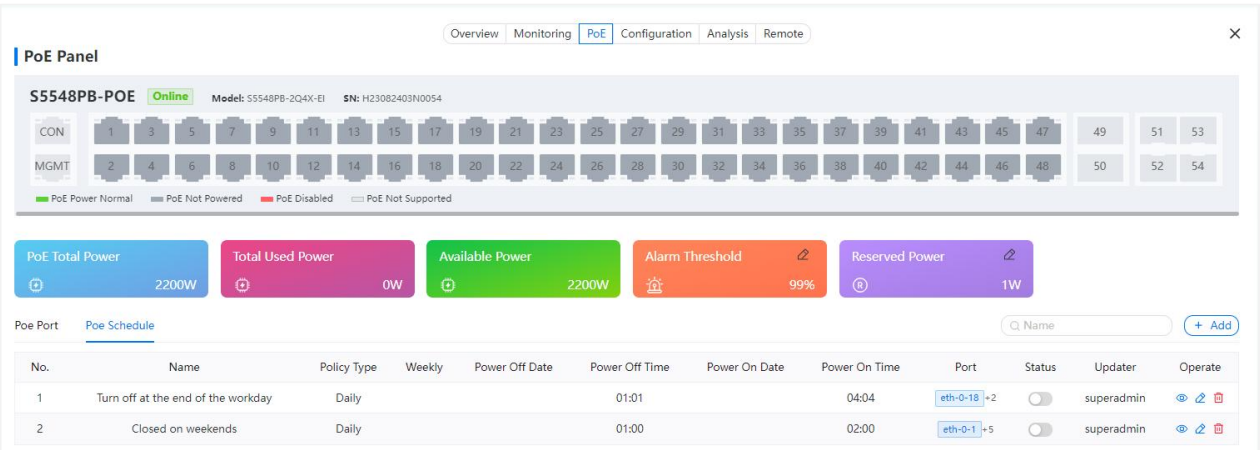
Multi-network Domain Management

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

Tips for reading:  
○-support    X- nonsupport

Type	Feature	Support 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	Features	Support	Remark
Port traffic monitoring	Upstream Traffic monitoring	<input type="radio"/>	
	Downstream Traffic monitoring	<input type="radio"/>	
	Upstream Packet Rate	<input type="radio"/>	
	Downstream Packet Rate	<input type="radio"/>	
Configuration Management	ShowRunningConfig	<input type="radio"/>	
	ShowStartupConfig	<input type="radio"/>	
	One-click Configuration Rollback	<input type="radio"/>	
	Configure the switch based on the reference template	<input type="radio"/>	
POE Management	POE Config	Enable / Disable PoE	<input type="radio"/>
		Priority adjustment	<input type="radio"/>
		Alarm Threshold Config	<input type="radio"/>
		Syetem Reserved Power Config	<input type="radio"/>
	POE Monitoring	Port Power Status	<input type="radio"/>
		Port Current(mA)/Voltage(V)	<input type="radio"/>
		Port PSE Chip Temperature(°C)	<input type="radio"/>
		Port Priority	<input type="radio"/>
		Port Actual Power(W)	<input type="radio"/>
		Syetem PoE Total Power budget	<input type="radio"/>
		System Total Used / Available Power	<input type="radio"/>
Log and Diagnosis	Obtain device logs	<input type="radio"/>	
	Obtain the device diagnostic report	<input type="radio"/>	
Remote Maintenance	Remote WEB access based on tunneling technology	<input type="radio"/>	
	Remote SSH access based on tunneling technology	<input type="radio"/>	
	Remote TELNET access based on tunneling technology	<input type="radio"/>	

Type	Feature		Support	Remark
Network TOP discovery and mapping	TOP drawing	Automatic drawing based on the neighbor discovery protocol	<input type="radio"/>	
		Manual drawing and editing	<input type="radio"/>	
	Manually add third-party device	Computer	<input type="radio"/>	
		Switch	<input type="radio"/>	
		Printer	<input type="radio"/>	
		Router	<input type="radio"/>	
		Server	<input type="radio"/>	
		Custom	<input type="radio"/>	
		AP	<input type="radio"/>	
Device registration and binding	Registration to DHCS	USB disk ZTP method	<input type="radio"/>	
		DHDP Automatic discovery protocol	<input type="radio"/>	
		Manual CLI registration	<input type="radio"/>	
	Bind a device to a network	WEB GUI interface registration	<input type="radio"/>	
		Binding code binding	<input type="radio"/>	
		Network number binding	<input type="radio"/>	
Top detail function	Port number and connection relationship		<input type="radio"/>	
	Alarm indication bubble		<input type="radio"/>	
	Adjust the top direction		<input type="radio"/>	
	Zom in/out		<input type="radio"/>	
	Top Download		<input type="radio"/>	
Network handover and authorization	Handover	Automatically generate handover report	<input type="radio"/>	
		Automatic transfer of authority	<input type="radio"/>	
	authorization	Provide temporary or permanent network access privileges for other accounts.	<input type="radio"/>	

Type	Feature	support	Remark
Alarm	Network Alram	Loop Detection Alarm	<input type="radio"/>
		CRC Error Alarm	<input type="radio"/>
		Link Aggregation Group Alarm	<input type="radio"/>
	Optical Alarm	Optical Power Degradation Alarm	<input type="radio"/>
		Optical Power Degradation Alarm	<input type="radio"/>
		Temperature Alarm	<input type="radio"/>
		Temperature Alarm	<input type="radio"/>
		Voltage Alarm	<input type="radio"/>
		Voltage Alarm	<input type="radio"/>
		Current Alarm	<input type="radio"/>
		Current Alarm	<input type="radio"/>
	Resource Alarm	Cpu Usage Alarm	<input type="radio"/>
		Memory Usage Alarm	<input type="radio"/>
		Storage Usage Alarm	<input type="radio"/>
		Critical Port Failure	<input type="radio"/>
		Temperature Alarm	<input type="radio"/>
		Fan Alarm (Speed 100%)	<input type="radio"/>
		Fan Alarm (Speed 0%)	<input type="radio"/>
		Fan Alarm (Fail)	<input type="radio"/>
		Downlink Traffic	<input type="radio"/>
		Uplink Traffic	<input type="radio"/>
		POE Power Alarm (Threshold)	<input type="radio"/>
		POE Power Alarm (Reserved)	<input type="radio"/>
	Reboot Alarm	Manual Reboot	<input type="radio"/>
		Power Off Reboot	<input type="radio"/>
		Over Temperature Reboot	<input type="radio"/>
	Alarm message notification	Top bubble	<input type="radio"/>
		E-Mail	<input type="radio"/>
		Mobile phone message service	<input type="radio"/>
		WeChat	<input type="radio"/>
		Customized other message channels	<input type="radio"/>

Type	Feature		Support Remark
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		○
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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