User Guide for Cloud Network Management Switches

(Version 3.1)

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Service

Thank you for purchasing our switch.
We are trying to provide our customers with better network switch to enhance your network experience.

Any problems?

Please kindly contact our after-sales team immediately. This switch contains our support and warranty(We will provide you with a one-year warranty and lifetime technical support).

For more information and warranty requests, please contact our 7*24 hours

Support team:

Email:19129902367@163.com
WhatsApp: +86 19129902367



For more information about the device, please scan the QR code below.

Personal Center

Nickname:XXX

*Use email to register an account in the app. Meanwhile, PC client can use this account to login.

Admin 1

*Admin: Full administrative authority over the equipment created. All: 1

Join 0

*Receiving projects shared by friends allows only limited actions (such as port operations, viewing, and adding devices), but does not grant administrative permissions. All: 0

All Online: 1

*Display the total number of online/alarm devices (including supervisors + participants in projects). Warn: 0

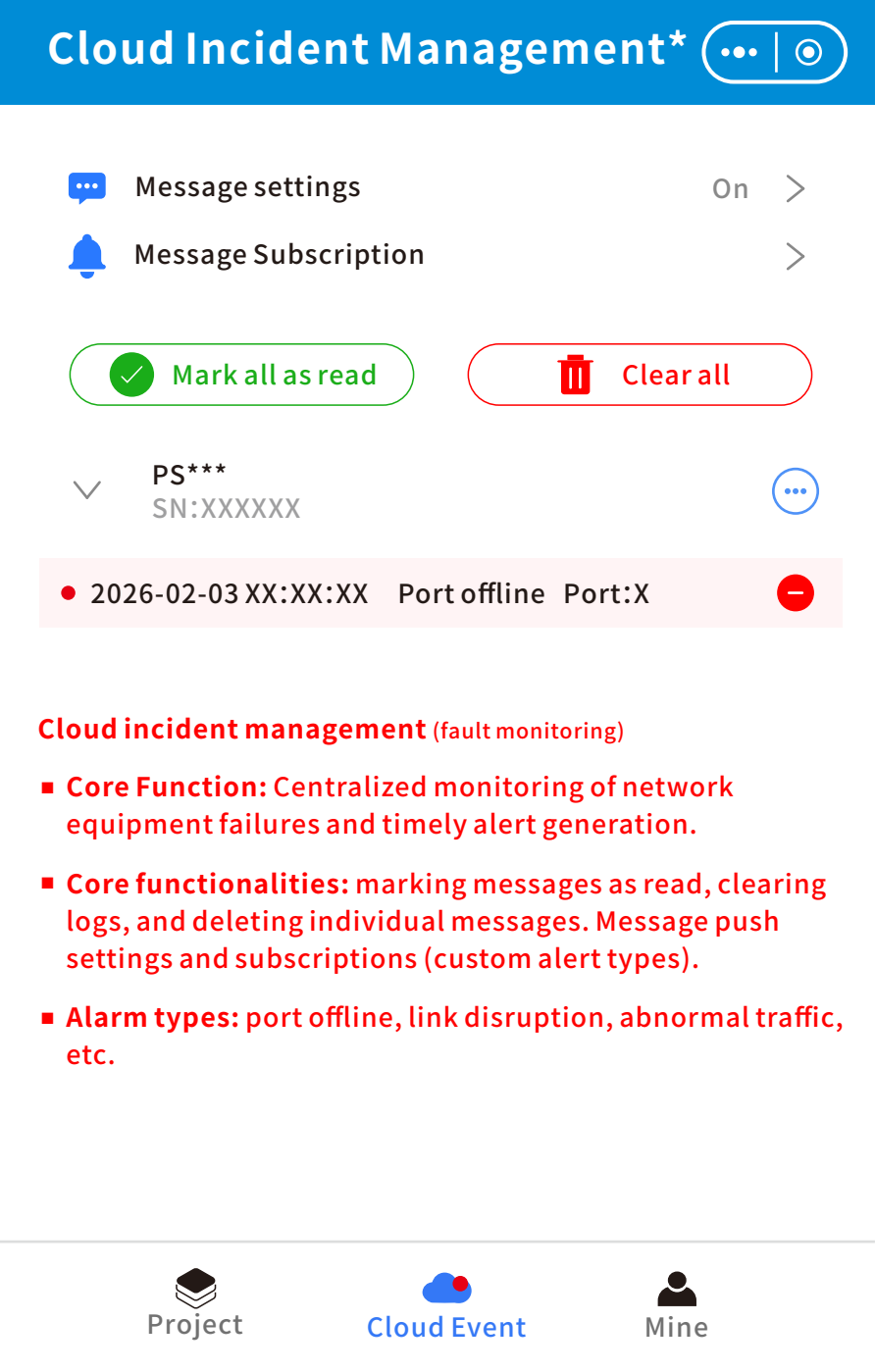
language-English

Operation Guide

Data Download Guide

Entry functionality

Project Cloud Event Mine



Cloud incident management (fault monitoring)

- **Core Function:** Centralized monitoring of network equipment failures and timely alert generation.
- **Core functionalities:** marking messages as read, clearing logs, and deleting individual messages. Message push settings and subscriptions (custom alert types).
- **Alarm types:** port offline, link disruption, abnormal traffic, etc.

Project List

Please Enter Key Words

Search

GPS*** ① ②

1 1 0

Click to access the corresponding project page, “Equipment List”

GPS*** ③ ④ ⑤

1 1 0

Delete Item

Supervisor permission for the current project

Share Project

GS*** ⑥

1 1 0

Exit the project

Participation permission for the current project

① **Rename:** Rename the project name.
② **Menu of the current item**
③ **Delete Item:** Remove from the project list.
④ **X:** Exit the menu of current project .
⑤ **Share Project:** Go to the "Share Project" management page.
⑥ **Exit Project:** exit the participating project. (and remove it from the list)

Click here to access the page for newly added items

Project Cloud Event Mine

New Equipment/Porject

Project Name: Enter Project Name

Search LAN devices

Device ID	Activation code	Device Name
Enter Serial Number	Enter 6 to12	Enter Switch

Method for adding equipment: (requires prior connection to an internet-enabled router).
Scan code/Manually enter: Device label ID , activation code (default: 123456). If the device has already been set up with a password through web settings, you need to enter the activation code as your web login password.(Supports scanning multiple devices consecutively.)

* Automatically becomes a project manager upon creation.

Scan Code Input ID



At Least One Device Needs To Be Added To Create A Project

Add Equipment/Create Project

Share Project

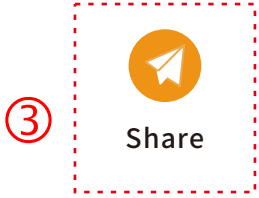
Click to expand for transfer/recycle operations

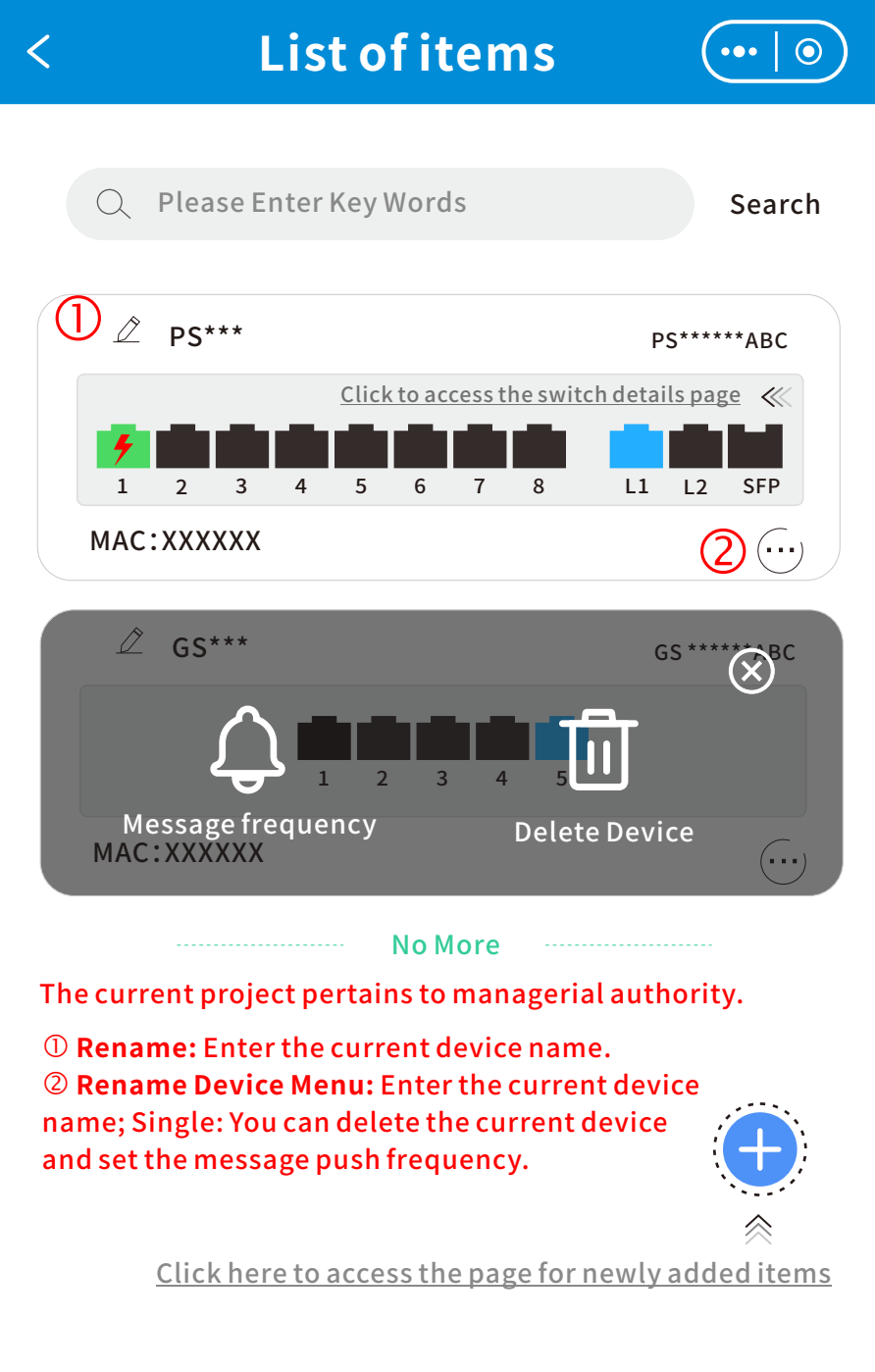


① **Transfer:** Transfer project permissions to another party, who will have full authority to manage the project. The original account will no longer have permissions for this project.

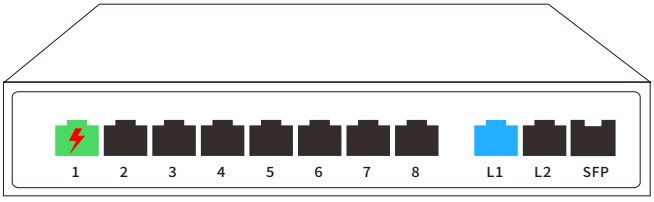
② **Recovery:** Revoke sharing permissions.

③ **Share:** This feature is available only for administrators. Tap the “Share” button to send the link to a friend on WeChat.




List of items
Please Enter Key Words
Search
①
PS***
PS******ABC
Click to access the switch details page
1 2 3 4 5 6 7 8 L1 L2 SFP
MAC:XXXXXX
②
GS***
GS ******ABC
1 2 3 4 5
Message frequency
Delete Device
MAC:XXXXXX
No More
The current project pertains to managerial authority.
① Rename: Enter the current device name.
② Rename Device Menu: Enter the current device name; Single: You can delete the current device and set the message push frequency.
Click here to access the page for newly added items

Device Details



The Device Information

Device	Port Status	Port Settings	VLAN
Port Mirror	DHCP Snooping	Ring network	Setting

Device Model	XXXXXX
Device ID	XXXXXX
MAC	******
DHCP	ON/OFF
IP	192.168.11.X
Gateway	192.168.11.X
Mask	255.255.255.0
DNS	114.114.114.114
Firmware Version	X.X.XXXXXX
POE Voltage	X/V
POE Power	X/W
Online Time	XX:XX: XX
Temperature	XXX/°C

Port Icon Description

Powered Good Normal Poor Disconnected

Off LAN Block

When it shows yellow or orange, please turn on the Extended Mode or check if the network cable is over CAT5 Cable and transmission distance is within 100m

Sure

Port Status

Device	Port Status	Port Settings	VLAN
Port Mirror	DHCP Snooping	Ring network	Setting

Port	TX	RX	Power	Status
LAN1 Note	4kb	1kb	---	1000M Packet statistics
LAN2 Note	---	---	---	Offline Packet statistics
3 Note	---	---	---	Offline Packet statistics

Network port status:

1. Ports: Displays the corresponding port number and its associated notes.
2. Up/Down Speed: Displays the real-time up/down speeds for the corresponding port.
3. Power: Displays the real-time power consumption of POE on this port;* (depending on the product model supported).
4. Link Status:
- "Digital" represents the rate value and indicates the maximum rate specification for that port.
- "Offline" indicates that the port is not connected to a device or that the line has been interrupted.
- Click on "Packet Statistics" to view corresponding network data frames (used for troubleshooting and assessing traffic).

Click here to access the package statistics page

Port Settings

Device	Port Status	Port Settings	VLAN
Port Mirror	DHCP Snooping	Ring network	Setting

Port Configuration POE Extend Reboot Timing

Network port configuration:

Port: Displays the corresponding port number and any notes; allows editing of notes.(≤30 character).

Configuration: By clicking on the corresponding port, you can set the single/dual-mode, as well as port speed limit parameters.


The "Orange" ports are the ones with set port speed limits.


The "Black" ports are the ones without set port speed limits.

POE Switch: Turn on/off POE power for the corresponding port; * (depending on the product model)

Extend: Open/close the corresponding port for ultra-long-distance transmission (forced 10M duplex).

Reboot: Click the “Reboot” button to disconnect and reconnect the corresponding port.

Timing: Supports scheduled maintenance of ports, allowing for the setting of port start/stop times.



Swipe left or right to turn it on/off



Device	Port Status	Port Settings	VLAN
Port Mirror	DHCP Snooping	Ring network	Setting

VLAN Setting: Off On

VLAN Type: 802.1Q-VLAN MTU VLAN Port VLAN

Creat VLAN: Add VLAN Port Setting

VID Port Delete

1 1, 2,3,X,X,X,LAN,SFP

VLAN Serring turned on

1、802.1Q -VLAN

Create VLAN:

By clicking the "Add" button, you can create a VLAN for tagging (vid range: 2-4094), which supports up to 15 VLAN port configurations.

VLAN port settings:

Access: Ports can only belong to one VLAN and are generally used to connect user devices. By default, all ports belong to Access ports.

Trunk: The port can belong to multiple VLANs, can receive and send messages from multiple VLANs, and is generally used to connect to other network devices (the default PVID of this series of devices is 1, which can forward all data that has been configured with a VLAN ID on the machine, and cannot be modified).

2、mtu_vlan

VLAN port settings:

Default: Default state, all Default ports can communicate with each other, with UPLINK, but not with VLAN ports.

VLAN: Isolation group, ports configured as VLAN attributes cannot communicate with each other, only with UPLINK ports.

UP LINK: It is usually an upstream communication port and can communicate with all other ports.

3、Port VLAN

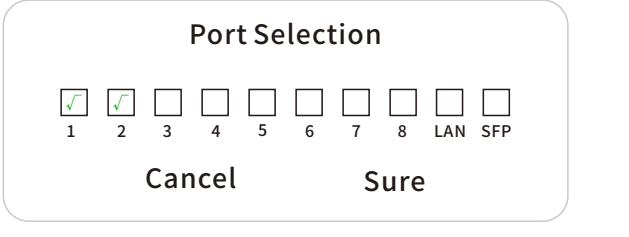
Based on the port grouping implementation of this switch, each port can only belong to one vlan. Ports in the same vlan can communicate with each other, and ports in different vlans cannot communicate.

⚠ **Note:** The device supports three VLAN modes, and only one mode can be selected to be turned on at a time. When the other mode is enabled, the other modes are automatically turned off and all setting parameters are deleted.

Port Mirror* (Some models only support certain ports)

Device	Port Status	Port Settings	VLAN
Port Mirror	DHCP Snooping	Ring network	Setting

Capture Port	Captured Port	Delete
1, 2		



Port mirroring: The captured port does not affect the original communication; its RX/TX data is cloned to the captured port for network data analysis and processing.
Capture port: Mirror destination port (can be selected only once), used for capturing network data.
Captured port: Mirror source port (can be selected multiple times), which serves as the source port for data capture.

Note: Only one port can be set .otherwise, the configuration fails

Sure

DHCP Snooping*

(Some models only support certain ports)

DHCP Snooping: OFF  ON

Port	Trust
LAN1	Enable/Disable
LAN2	Enable/Disable
SFP	Enable/Disable

Note: Only LAN1/LAN2/SFP ports are supported

Port: Select the port that needs to be configured;

Trust: When port trust is enabled, it allows access to trusted DHCP servers (* routers). If a port with trust disabled attempts to access an illegitimate DHCP device (such as a router), other port devices will only obtain legitimate IP addresses from the DHCP server (router) associated with the trusted port.

⚠ **Note:** It is recommended to configure the relevant parameters before turning on the DHCP listening switch.

Ring network* (Available for specific product models)

Device	Port Status	Port Settings	VLAN
Port Mirror	DHCP Snooping	**Ring network**	Setting

Ring network: Off  On

Mode: Loop Prevention Loop Formation

Port	Status
LAN1	Forward
LAN2	Forward
3	Forward
6	Forward
7	Forward
8	Forward

Loop Prevention:
Once the protection ring is activated and a loop is detected in the switch port, the corresponding port will be closed according to specific rules, and the corresponding state in the port status table will be synchronously switched to “closed”.

Loop Formation:
Once the ring is activated and a loop is detected on a switch port, the corresponding port will be blocked according to specific rules. The corresponding state in the port status table will be synchronously switched to blocked.

Setting* (This feature is available only for administrative users)

Device	Port Status	Port Settings	VLAN
Port Mirror	DHCP Snooping	Ring network	Setting

Setting:

1.IP Setting:

Automatically retrieved: View the IP address, mask, gateway, and DNS information for the device.

Manual Setup: Manually configure the device's IP address, mask, gateway, and DNS information.

2. Storm-control: Enable broadcasting, group broadcasting mitigation (limiting to approximately 4 Mbps).

3. Power Supply Adaptive: The device initiates LLDP announcements according to the POE-AT standard.

4. Port Watchdog: Upon activation, it continuously monitors port traffic. If an abnormal data flow persists for 4 minutes, the port will be restarted (the PoE connection and port data connection will be closed and reopened).* (Depending on the product model supported)

5. Automatic Port Extension: Upon activation, the device continuously monitors the port link status. If POE power is provided but the link remains interrupted, it will automatically set the link duplex for the corresponding port to 10Mbps and enable the long-distance transmission mode.* (Depending on the product model supported)

6. Reboot: The device is restarted and resumed operation.

7. Timing restart: Set up the switch to restart at specified intervals for scheduled maintenance.

8. Reset: Reset the device's settings to its default factory state and automatically restart the device.

9. Firmware Update: Firmware upgrade (this feature button becomes visible only when available updates are available for push).