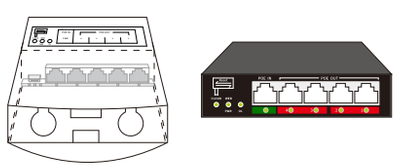
封面

70.00 mm

Cloud Network Management POE Relay Switch Series

User Manual



Product description

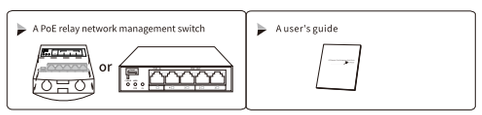
This series of products is an independently developed cloud network management type 1-to-4 Ethernet PoE repeater switch, which provides multiple Ethernet adaptive RJ45 ports, is compatible with the mainstream IEEE802.3af / at standard protocol devices on the market; the device can support PoE power supply, can repeat 4 PD devices; supports remote mobile phone access for monitoring switch operation status and various network function management.can manage switch remotely through APP " Amitres IOT" , can remotely view the management switch port, and also supports login management through web pages.

Feature

◆ Built-in standard switching chip, following IEEE802.3 Ethernet and IEEE802.3u Fast Ethernet protocols
◆ Full-duplex IEEE802.3 flowcontrol, half-duplex backpressure operation
◆ Support 802.1Q VLAN、port-VLAN, which are suitable for a variety of networking business needs*.
◆ Supports data frame transmission with a frame length of 1522Byte
◆ Supports PoE power supply based on the 802.3AF/AT protocol and can support 8-core power receivers;
◆ Support port rate limiting and port mirroring.
◆ Support broadcast/multicast storm suppression*.
◆ Support DHCP Snooping function*.
◆ Support port traffic statistics.
◆ Support web management, mobile phone remote management and other diversified management and maintenance methods.
◆ Automatic MDI/MDI-X linesequence crossover
◆ MAC address-based autonomous learning and aging are supported.
◆ Store/Forwardand Frame Filtering
◆ POE output port power supply priority can be configured;

Items marked with * are selected according to different product models

Supporting list of products



Functional Switch Description

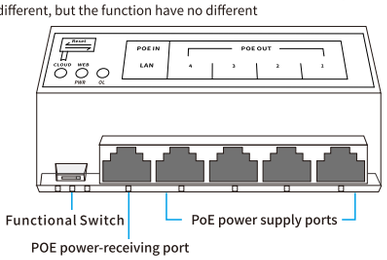
Function Identifier	Working mode	Function description
CLOUD	Remote management mode	Enable local WEB management and APP remote management functions
WEB	Local management mode	**WEB local management mode**

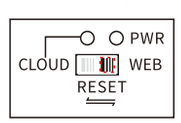
Indicator Light Definition

Indicator light	Identifier	Description
Function indicator	PWR	switch power status indication, lighting indicates that the device has been started
	OL	When the power of the device exceeds 20W, the OL indicator light will be on: this indicates that the device is overloaded.
	CLOUD	Lighting: Remote cloud management function is turned on
Network port indicator light	Link/ACT	Lighting: the connection is normal. Blinking: data is being transferred.

Product display

The display is representative of the product, the actual object may be different, but the function have no different



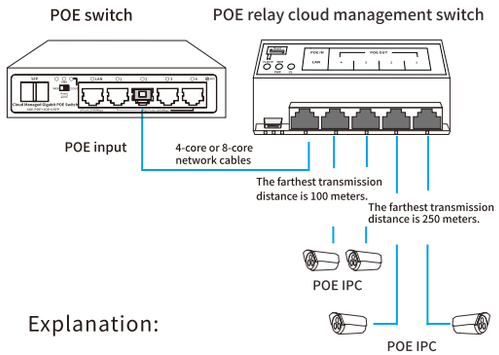


Functional switch is defined as optional*

For more device information, please scan the QR code above.

1.WEB: WEB management, fixed standby IP: 10.0.0.10;
2.CLOUD: WEB and remote APP management;
3.RESET: The switch is in the WEB position. Within 1 second, toggle to CLOUD, then back to WEB. The switch will restart and restore factory settings;

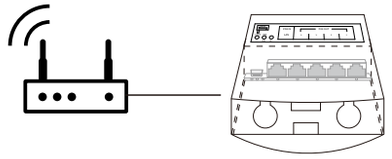
Product Applications



Explanation:

- POE Power Supply: Supports IEEE802.3af/at standard power supply;
- POE input: supports 12/36, 45/78, or full-line sequence power supply;
- POE output: Supports all line orders;
- When connecting to an IEEE802.3AT-compliant power port, it is recommended to limit the power output of the four PoE ports to 22~25W.;
- This device is a POE repeater, so please make sure that both the front-end POE switch and the back-end PD can function properly before conducting any connection tests;
- By default, the switch is configured to prioritize low-port power supply (1 low-2-3-4 high); when the output power of the power supply is too high, the high-port power supply (4-3-2) will be shut down one by one; you can configure the priority mode through the web interface.

Operation of Device binding



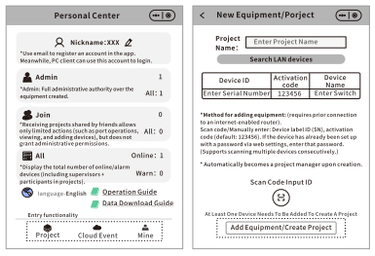
- Connect the router that is connected to the Internet to LAN port of the device. (the router needs to enable DHCP).
- Download the app "Amitres IOT". Then, register an account by email in the app. Meanwhile, PC client can use this account to login.
- Add device:
  New project: click "+" to scan the Device ID QR code (located on the fuselage) and enter the project name and other corresponding information to create it.
  Existing project: enter the submenu of project , click "to add switch +" to scan the QR code of device ID and enter corresponding information to add.

* When adding a new device, the default initial password of the device needs to be entered(the default password is 123456).
* When adding a device ID, make sure that the current device is connected to a router with Internet access.
* For more operation instructions, please obtain them in the app.



QR code
Device ID

Cloud Management

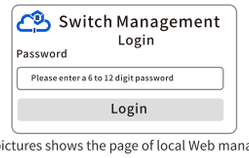


*The pictures shows the page of mobile app

Local WEB administration

1、Log on to the web management page via the fixed IP:

- When the switch is not connected to the internet, it automatically configures the default fixed IP address 10.0.0.10. Please configure your computer with an IP address in the same subnet as the switch.
- Open the browser in the computer and enter the IP address of the switch 10.0.0.10 to log on to the WEB page.



*The pictures shows the page of local Web management

2、Log on to the web management page through the routers automatically obtained IP address:

- By default, the switch is configured to DHCP mode. When the switch is connected to the local area network and has internet access, you need to use the switch's automatically obtained IP address to access the web interface for management.
- Devices that obtain an IP through the router, log in to the router to view the IP address of the host name (HostName) in the connected devices as the equipment model (such as XXX) to log into the WEB management.

SN	IP Address	MAC Address	HostName	Type	Status	Lease expiration time
1	192.168.1.105	SC-15-C5-00-00-EC	xxx	assign	online	XX-XX-XX
2	x.x.x.x	x-x-x-x-x-x	xxx	static	online	- -
3	x.x.x.x	x-x-x-x-x-x	xxx	static	online	- -

- Alternatively, you can use remote management software for the switch to view the local IP address and access the web page.



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Please refer to the official website for any updates or changes in product parameters and appearance, as no further notice will be provided.

100.00 mm

70.00 mm

封底