24-PORT CLOUD MANAGED SWITCH | ACS4224-24GT2GT



This product is an Ethernet POE-powered switch of the Cloud Network Management series independently developed by our company. It provides 24 1000Mbps adaptive POE-powered RJ45 ports, 2 Upstream 1000Mbps adaptive RJ45 interfaces and 2 1000Mbps SFP interfaces. It can be used as an Ethernet-powered device. All power supply ports can automatically detect and identify powered devices that comply with the IEEE 802.3af/at standard. this model supports remote management, The switch can be remotely managed through the APP “Amitres IOT” , and the switch ports can be remotely viewed and managed. It also supports management through web page login.



PRODUCT FEATURES & FUNCTIONS

- Comply with IEEE802.3 Ethernet and IEEE802.3u Fast Ethernet protocol standard.
- Supports 802.3af/at standard protocol, intelligently detects power supply, and does not burn out non-powered equipment.
- Support App"Amitres IOT" to remotely manage switch, support local web management.
- Support 802.1QVLAN, MTU-VLAN, Port VLAN, suitable for a variety of networking business needs.
- Second gear pull code: WEB + CLOUD (domestic factory default CLOUD, overseas default WEB).
- Overcurrent, overload and short-circuit protection to eliminate hidden dangers and ensure power supply safety; Support common mode differential mode lightning protection.
- Support spanning tree protocols: STP (IEEE802.1d), RSTP (IEEE802.1w)
- Cloud network management: visual remote management, on-site problems, remote resolution
- Provides 24*1000MPOE ports, 2*1000M RJ45 ports and 2*1000M SFPports
- All ports support Auto MDI/MDI-X function
- Supports IEEE802.3X full-duplex flow control and Backpressure half-duplex flow control
- Supports autonomous learning and aging of MAC address
- Full metal casing, power output 360W
- plug and play

PRODUCT PARAMETERS

INDICATOR DEFINITION：

Indicator Light	Definition	Function Description
Functional Indicator	Power Indicator	Switch power status indicator,light up to indicate that the device is started
	CLOUD	ON: Remote cloud management function is turned on
Port Indicator	Link/ACT	ON: the port link is normal; Flashing: data transmission is in progress

GEAR DESCRIPTION:

Gear	Definition	Functional Description
CLOUD	Remote Management Mode	Enable local WEB management and APP remote management functions
WEB	Local Management Mode	WEB local management mode
RESET		The switch is at WEB,within 1 second,unplug to CLOUD and then unplug back to WEB,switch restart and restore factory settings

4. BASIC SPECIFICATION:

Item	Data
Port	241000 Mbps POE. RJ45 ports+2 个 1000Mbps Cascading RJ45 ports+2 个 1000Mbps SFP ports
Backplane bandwidth	56G
MAC Address	8K
Packet forwarding rate @ 64byte (throughput)	41.664 Mpps
Powersupply	AC Input 100-250V，Standard configuration 360W Power Supply
Network media and transmission distance	1000Base-T:4 to Cat5e or higher UTP/STP (≤100m) 100Base-TX: 2 to Cat5 or higher UTP/STP(≤100m) 10Base-TX:2 to Cat5e or higher UTP/STP(≤250m
Line Sequence Of PowerSupply	12/36、45/78 all line sequence

5. SOFTWARE SPECIFICATION:

Item	Data
Basic functions	Comply with IEEE802.3 Ethernet IEEE802.3u Fast Ethernet protocol standards Compatible with PD scompliant with IEEE802.3af/at standard Compatible with certified non-standard PD store and forward MAC automatic learning and aging IEEE802.3Xfull-duplex flow control & Back pressure half-duplex flowcontrol

Ethernet protocols and standards	IEEE802.3 Ethernet Media Access Control Protocol IEEE802.3i10 BASE-T Ethernet IEEE802.3u100 BASE-TX Fast Ethernet IEEE802.3ab1000 BASE-T Gigabit Ethernet IEEE802.3z 1000 BASE-XSFP Interface IEEE802.3af realizes the powersupply of Ethernet devices through Etherne tdata lines or devices. IEEE802.3at realizes the high-power power supply of Ethernet devices through
Data transmission rate	Ethernet 10Mbps half-duplex, 20Mbps full-duplex Fast Ethernet 100Mbps half-duplex,200Mbps full-duplex Gigabit Ethernet 2000 Mbs Full-Duplex
The supported contents of the remote control end (through the APP "Amitres IOT")	
Cloud Management: Information View	Switch SN information,device model,firmware version,real-timeIP,real-time port power, port LINK status,link duplex,up and downrate,VLAN status;
Cloud Management: Device Operation	Port isolation setting, port restart, port POE switch, port speed limit, port ultra-long switch, switch whole machinere start, whole machine setting reset, port duplex setting, firmware upgrade, VLAN setting;
Security Features	Order-based protection Support MAC/PORT binding Support DHCP snooping and DHCP attack protection Supportend-port security and end-portisolation Support CPU protection function
Accesscontrol (ACL)	Support port mirroring, port redirection, flow rate limiting, and QoS remarking
Quality of Service (QoS)	Support port priority,802.1P priority,DSCP priority Support SP,WRR,SP,WRR, Equpriority scheduling algorithm
STP Protocol	Support STP (IEEE802.1d), RSTP (IEEE802.1w) protocols
Management and Maintenance	Support WEB network management Support PC client management Support remote management via APP"Amitres IOT"

6. POE PERFORMANCE:

Item	Data
IEEE802.3af , IEEE802.3at	Support
Port MAX output	30W
Overcurrent protection, Overvoltage protection	Support
Shortcircuit protection	Support
Sequential startup (to avoid excessive instantaneous current)	Support
Soft startup for high-power PD	Support

7. ENVIRONMENTAL REQUIREMENTS:

Environment	Parameter
Temperature	Working temperature:0℃～40℃ - Storage temperature:-40℃～70℃
Humidity	Working humidity: 10%~90% RH non-condensing Storage humidity: 5%~90% RH non-condensing
Altitude	Working altitude: Maximum 6500 feet (2000meters) Storage altitude: Maximum 6500 feet (2000meters)

8. WEIGHT:

Detail	Functional Description
Bare Metal	2.5kg
FCL(5PCS)	15kg

9. LIGHTNING SURGE PROTECTION (10/700US):

Detail	Functional Description
Differential mode	4KV
Common mode	4KV

PRODUCT SIZE

