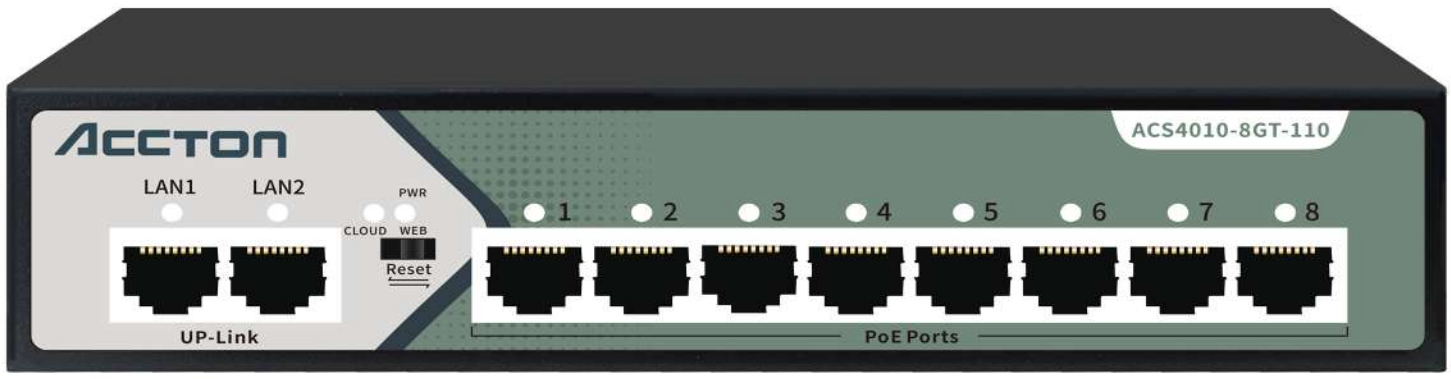
CLOUD-MANAGED POE SWITCH SERIES- ACS4010-8GT



This product is our company's self-developed cloud network management series full Gigabit Ethernet POE power supply switch, providing 10 10/100/1000M adaptive RJ45 ports, and ports 1 to 8 have POE power supply function, which can be used as Ethernet power supply equipment. All power supply ports can automatically detect and identify power receiving equipment that meets IEEE 802.3af/at standards; support remote mobile phone access to switch operation status monitoring and various network function management. You can manage switch remotely through APP "Amitres IOT", remotely view the management switch port, and support login management through local WEB page.



PRODUCT FEATURES & FUNCTIONS

- Complies with IEEE 802.3 Ethernet and IEEE 802.3u Fast Ethernet protocol standards；
- Support 802.3af/at standard protocol, intelligently detect power supply, and do not burn out non-powered equipment；
- Overcurrent overload short circuit protection, eliminate hidden dangers, power supply safety；
- Complies with IEEE 802.3 Ethernet and IEEE 802.3u Fast Ethernet protocol standards；
- Support 802.3af/at standard protocol, intelligently detect power supply, and do not burn out non-powered equipment；
- SupportAI (automatic ultra-remote and watchdog), the watchdog function of the whole machine；
- Secondgear pull: WEB + CLOUD(domestic factory default CLOUD, overseas default WEB)）；
- Supportport QOS, port traffic restriction；
- SupportApp"Amitres IOT" to remotely manage switch, support local web management；
- Support DHCP snooping, port mirroring, port management and other management functions；
- Support broad cast and multi cast storm suppression；
- Provide 8 10/100/1000M auto-negotiation POE (Power over Ethernet) power supply ports and 2 uplink 10/100/1000M auto-negotiation RJ45 ports.；
- All ports support Auto Flip (Auto MDI/MDI-X) function；
- Support for autonomous learning and aging of MAC addresses；
- Full metal shell, the whole machine is fully loaded with 120W.；
- 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 Composition	81000 Mbps POE. RJ45 ports+ 21000Mbp scascaded RJ45 ports
Backplane bandwidth	20G
MAC Address	2K
Packet forwarding rate @ 64byte (throughput)	14.88 Mpps
Powersupply	AC Input 100-240V， Standard configuration 120W 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

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 IEEE802.3X full-duplex flow control & Back pressure half-duplex flow control

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 Ethernet data lines or devices. IEEE802.3at realizes the high-power power supply of Ethernet devices through Ethernet Data Pair or Device IEEE802.3x Flow Control
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-time IP, 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 Mini Program / APP remote management

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 board (excluding packaging)	Approximately 0.7kg
FCL weight (20PCS)	Approximately 20kg

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

Detail	Functional Description
Differential mode	4KV
Common mode	4KV

PRODUCT SIZE

