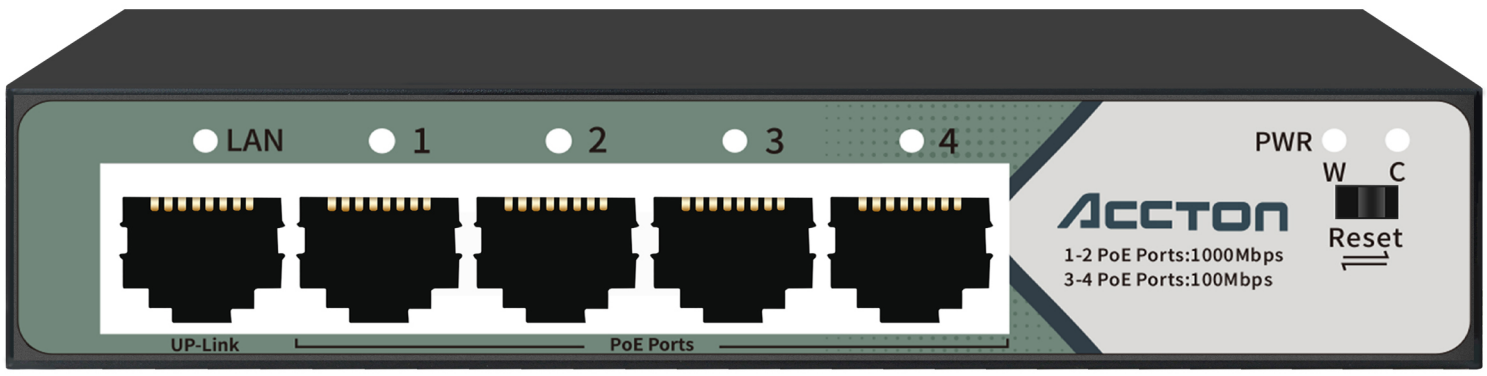
5-PORT CLOUD MANAGED POE SWITCH | ACS-4005-4GT-60



This product is a cloud network management series Ethernet POE power supply switch independently developed by our company. It provides 2 100Mbps adaptive POE power supply RJ45 ports and 2 1000Mbps adaptive POE power supply RJ45 ports and 1 uplink 1000Mbps RJ45 port. It can be used as an Ethernet power supply device. All power supply ports can automatically detect and identify power receiving devices that meet the IEEE 802.3af/at standard;It supports remote mobile phone access for monitoring the operating status of the switch and the management of various network functions. 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

- Support 802.1Q VLAN, MTU-VLAN, Port VLAN, suitable for a variety of networking business needs；
- Support AI (automatic ultra-remote and watchdog), the watchdog function of the whole machine；
- Second gear pull code: WEB + CLOUD (domestic factory default CLOUD, overseas default WEB)；
- Support port QOS, port traffic restriction；
- Support App "Amitres IOT" to remotely manage switch, support local web management；
- Support DHCP snooping, port mirroring, port management, loop management, MAC binding and other management functions
- Support broadcast and multicast storm suppression；
- Provide 2 100M POE RJ45 ports, 2 1000M POE RJ45 ports and 1 uplink RJ45 port；
- Complies with IEEE 802.3 Ethernet and IEEE 802.3u Fast Ethernet protocol standards；
- All ports support Auto Flip (Auto MDI/MDI-X) function；
- Support IEEE802.3X full duplex flow control and Backpressure half duplex flow control；
- Support MAC address self-learning and aging and manual static MAC port binding；
- Cloud network management: visual remote management, on-site problems, remote resolution；
- Overcurrent overload short circuit protection, eliminate hidden dangers, power safety；
- Full metal shell, the whole machine is fully loaded with 52W.；
- Plug and Play；

3. INDICATOR DEFINITION：

Indicator Light	Definition	Function Description
Functional Indicator	PWR	Switch power status indication, lighting indicates that the device has been started
	CLOUD	Lighting: Remote cloud management function is turned on
Network port indicator light	Link/ACT	Lighting: The port's connection is normal; Blinking: Data is being transferred

4. SWITCH GEAR DESCRIPTION

Gear	Definition	Function Description
CLOUD	Remote management mode	Enable local WEB management and remote APP management functions
WEB	Local management mode	WEB local management mode
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;

5. BASIC SPECIFICATION

Item	Data
Port Composition	2 100M POE RJ45 ports, 2 1000M POE RJ45 ports and 1 uplink 1000M RJ45 port;
Backplane Bandwidth	6.4G
MAC Address	2K
Packet forwarding rate @64byte (throughput)	4.762Mpps
Power Supply	AC input 100-240V, standard 52V/52W power supply
Network media and transmission distance	1000Base-T: 4 pairs of Cat5e or higher UTP/STP(≤100m) 100Base-TX: 2 pairs of Cat5 or higher UTP/STP(≤100m) 10Base-TX: 2 pairs of Cat5e or higher UTP/STP(≤250m)

6. SOFTWARE SPECIFICATION

Item	Data
Basic functions	Comply with IEEE 802.3 Ethernet IEEE802.3u Fast Ethernet protocol standards Compatible with POE power supply devices that comply with the IEEE 802.3af/at standards ; Store and forward ; MAC automatic learning and aging IEEE802.3X full-duplex flow control & Backpressure half-duplex flow control
Ethernet protocols and standards	IEEE 802.3 Ethernet Media Access Control Protocol ; IEEE 802.3i 10BASE-T Ethernet; IEEE 802.3u 100BASE-TX Fast Ethernet IEEE 802.3ab 1000BASE-T Gigabit Ethernet; IEEE 802.3af Power Supply for Ethernet Devices through Ethernet Data Pairs or Devices ; IEEE 802.3at High Power Supply for Ethernet Devices through Ethernet Data Pair or Device ;IEEE 802.3x Flow Control
Data transmission rate	Ethernet 10Mbps half-duplex, 20Mbps full duplex Fast Ethernet 100Mbps half-duplex, 200Mbps full duplex Gigabit Ethernet 2000Mbs Full Duplex

Item	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 down rate, VLAN status;
Network port indicator light	Port isolation setting, port restart, port POE switch, port speed limit, port ultra-long switch, switch whole machine restart, 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 ; Support end-port security and end-port isolation; Support CPU protection function
Access control (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, Equ priority scheduling algorithm
STP Protocol	Support STP(IEEE 802.1d), RSTP(IEEE 802.1w) protocols
Management and Maintenance	Support WEB network management Support PC client management Support remote management via APP “Amitres IOT”

7. POE PERFORMANCE

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

8. 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 (2000 meters) Storage altitude: Maximum 6500 feet (2000 meters)

9. LIGHTNING SURGE PROTECTION（10/700US）

Environment	Parameter
Differential mode	4KV
Common mode	4KV

10. SIZE SPECIFICATION

Category	Parameter
Bare Metal	125mm*115mm*34mm
Complete machine	205mm*165mm*65mm
FCL(20PCS/Carton)	350mm*350mm*425mm

