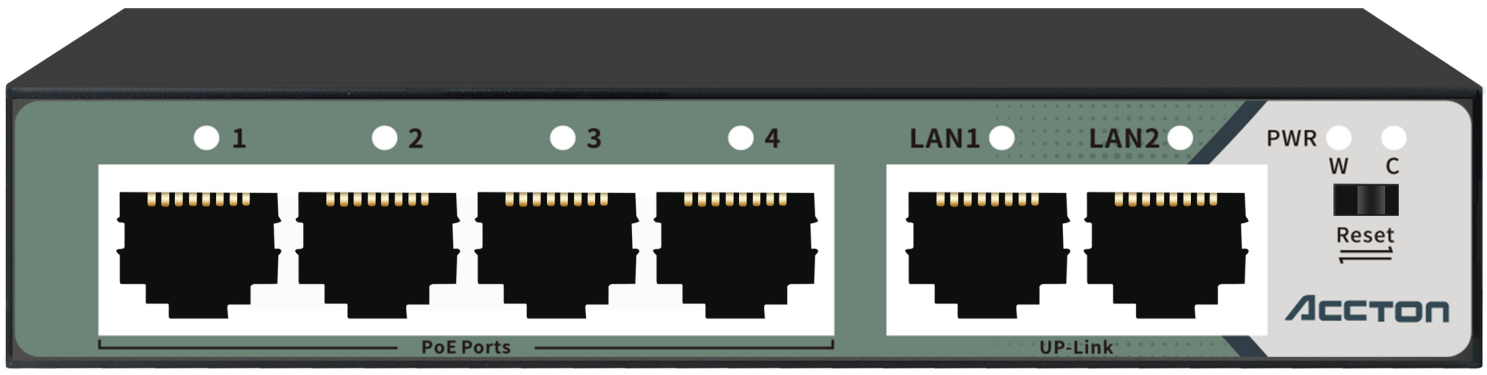
6-PORT CLOUD MANAGED POE SWITCH | ACS-4006-4GT-60



This product is a full Gigabit Ethernet POE power supply switch in our company's independently developed Cloud Network Management series. It provides 4 10/100/1000M auto - adaptive RJ45 ports and 2 1000Mbps cascading RJ45 ports. At the same time, ports 1 - 4 have the POE power supply function and can be used as an Ethernet power supply device. All power - supplying ports can automatically detect and identify powered - 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

- Complies with IEEE 802.3 Ethernet and IEEE 802.3u Fast Ethernet protocol standards;
- Supports 802.3af/at standard protocol, intelligently detect power supply, and do not burn out non-powered equipment;
- Support 802.1Q VLAN, MTU-VLAN, Port VLAN, suitable for a variety of networking business needs；
- Supports whole machine watchdog function;
- Supports APP“Amitres IOT”remotely manage switch. Support local web management;
- Two - position dip switch: WEB + CLOUD (CLOUD is the default for domestic factory settings, and WEB is the default for overseas);
- Over - current, over - load, and short - circuit protection to eliminate potential hazards and ensure power supply safety;
- Support for common - mode and differential - mode lightning protection;
- Cloud network management: Visual remote management, solving on - site problems remotely;
- Provide 4 10/100/1000M adaptive POE power - supply ports and 2 1000Mbps cascade RJ45 ports;
- All ports support the Auto MDI/MDI - X function;
- Support IEEE802.3X full - duplex flow control and Backpressure half - duplex flow control;
- Support the autonomous learning and aging of MAC addresses;
- All - metal housing, with a full - load power of 52W for the whole machine;
- 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	ON: Remote cloud management function is turned on
Port Indicator	Link/ACT	ON: the port link is normal; Flashing: data transmission is in progress

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	4 1000Mbps POE.RJ45 ports + 2 1000Mbps cascaded RJ45 ports
Backplane Bandwidth	12G
MAC Address	2K
Packet forwarding rate @64byte (throughput)	8.928Mpps
Power Supply	AC Input 100-240V，Standard 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 and IEEE 802.3u Fast Ethernet protocol standards; Compatible with IEEE 802.3af/at compliant power receiving devices (PD); Compatible with certified non-standard power receiving equipment (PD); Store and forward; MAC automatic learning and aging; IEEE802.3X Full Duplex Flow Control and 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;
Cloud Network Management: Device Operation	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;
Safety 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
Management and Maintenance	Support WEB network management Support PC client management Support Mini Program /APP remote management

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

