

POE Switch

Product Overview

POE series switches of our company, from the (5-30)port selectable, Support 10/100/1000M ethernet, from POE power supply mode Standard (1/2+, 3/6-) and non-standard (4/5+, 7/8-), see "POE switch specifications" on the back for specific parameters. POE series switches of our company can meet the power supply requirements of network terminals AP, IP camera and IP Phone POE on the market, Power and data can be transmitted simultaneously through super 5 type twisted pair wires; At the same time can provide 250 meters of long-distance transmission, reduce power wiring, shorten the project time, maximum protection of the user's investment.

product feature

- ◆ IEEE802.3, IEEE802.3u, and IEEE802.3ab Standard.
- ◆ POE port is 10/100M RJ45 adaptive port, The 100M series up links are 10/100M adaptive ports or +SFP fiber ports, The gigabit series up links are 10/100/1000M adaptive RJ45 port +SFP fiber port. All ports support auto-tilting (Auto-MDI/MDIX).
- ◆ Support (2~8K) MAC address..
- ◆ Support for EEPROM configuration.
- ◆ The standard series supports IEEE802.3AF/AT mode.
- ◆ Support switch speed limit, port isolation, extend the transmission function.
- ◆ All ports support 2KV lightning protection.
- ◆ Support for stack and QOS.
- ◆ Wire speed forwarding, intelligent identification.
- ◆ All ports support IEEE 802.3X half duplex flow control and full duplex back pressure mode.
- ◆ Non-blocking switching architecture, full speed forward and maximum throughput filter packets.

- ◆ Support MAC address learning, automatic adjustment of transmission mode and transmission rate.
- ◆ LED indicating power supply, link and activity, provide simple working status prompt and troubleshooting.
- ◆ Power input is external and built-in optional.
- ◆ Standard hardware shell design, excellent ventilation and heat dissipation, make product performance more reliable, more stable.

Application

- No1. Standard POE connection
- No2. Non-standard POE connection

POE switch product specifications															
Type	4×X 10/100/1000M Series			8×X 10/100/1000M Series					16×X 10/100/1000M Series			24×X 10/100/1000M Series			
Port category	4+2	4+2+1 (All Gbbit)		8+2	8+2 (All Gbbit)	8+2+1	8+2+1 (All Gbbit)		16+2+1	16+2+1 (All Gbbit)		24+2 (All 1Gbbit)	24+2+2	24+2+2 (All Gbbit)	
Port description	4FE (POE) +2FE	4GE (POE) +2GE+1GX		8FE (POE) +2FE	8GE (POE) +2GE	8FE (POE) +2GE+1GX	8GE (POE) +2GE+1GX		16FE (POE) +2GE+1GX	16GE (POE) +2GE+1GX		24GE (POE) +2GX	24FE (POE) +2GE+2GX	24FE (POE) +2GE+2GX	
Chip plan	RTL8309N/JL5108			RTL8309N+RTL8305/JL5108+JL5105		RTL8367S+RTL8367S		RTL8367S+RTL8309N	RTL8367S+RTL8367S		RTL8367S+3*RTL8309N	4*RTL8367S	RTL8382L+2*RTL8218+2*RTL8231		2*RTL8367S+3*RTL8309
POE port numbers	RJ45 (4FE+2FE)	RJ45 (4GE+2GE)+1SFP		RJ45 (8FE+2FE)	RJ45 (8GE+2GE)	RJ45 (8FE+2GE)+1SFP	RJ45 (8GE+2GE)+1SFP		RJ45 (16FE+2GE)+1SFP	RJ45 (16FE+2GE)+1SFP		RJ45 (24GE)+2SFP	RJ45 (24FE+2GE)+2SFP	RJ45 (24GE+2GE)+2SFP	
POE port rate	10/100Mbps	10/100/1000Mbps		10/100Mbps	10/100Mbps	10/100Mbps	10/100Mbps		10/100/1000Mbps	10/100/1000Mbps		10/100Mbps	10/100/1000Mbps	10/100/1000Mbps	
UP LINK port number	RJ45*2	RJ45*2		RJ45*2	RJ45*2	RJ45*2, SFP*1	RJ45*2, SFP*1		RJ45*2, SFP*1	RJ45*2, SFP*2		RJ45*4	RJ45*4	RJ45*4	
UP LINK port rate	10/100Mbps	10/100/1000Mbps		10/100Mbps	10/100/1000Mbps	10/100/1000Mbps	10/100/1000Mbps		10/100/1000Mbps	10/100/1000Mbps		10/100/1000Mbps	10/100/1000Mbps	10/100/1000Mbps	
POE classification	standard	non-standard	standard	standard	non-standard	standard	standard	non-standard	standard	standard	non-standard	standard	standard	standard	non-standard
POE Power supply Pin	12+/36-	45+/78-	12+/36-	12+/36-	45+/78-	12+/36-	12+/36-	45+/78-	12+/36-	12+/36-	45+/78-	12+/36-	12+/36-	45+/78-	12+/36-
Data transfer pin	1 2 3 6	1 2 3 6	1 2 3 6	1 2 3 6	1 2 3 6	1 2 3 6	1 2 3 6	1 2 3 6	1 2 3 6	1 2 3 6	1 2 3 6	1 2 3 6	1 2 3 6	1 2 3 6	1 2 3 6
POE Port power	15.4W/30W	30W	15.4W/30W	15.4W/30W	30W	15.4W/30W	15.4W/30W	30W	15.4W/30W	15.4W/30W	30W	15.4W/30W	15.4W/30W	15.4W/30W	15.4W/30W
POE output voltage	DC52V	DC24V/52V	DC52V	DC52V	DC24V/52V	DC52V	DC52V	DC24V/52V	DC52V	DC52V	DC24V/52V	DC52V	DC52V	DC24V/52V	DC52V
Full power	65W	65/96W		120W		120W	120W		330W	330W		450W	330W		450W
Power input	built-in	AC100~240V 50/60HZ													
	built-out	DC52V	DC24V/52V	DC52V	DC52V	DC24V/52V	DC52V	DC24V/52V	DC52V	DC52V	DC24V/52V	DC52V	DC52V	DC24V/52V	DC52V
Forwarding mode	Store and forward support														
MAC Address capacity	2K	2K	2K	2K	2K	2K	2K	2K	2K	2K	2K	8K	2K	8K	8K
Bandwidth	1.2Gbps	14Gbps	2Gbps	20Gbps	7.6Gbps	22Gbps	9.2Gbps	38Gbps	52Gbps	12.8Gbps	56Gbps	38.688Mpps	9.523Mpps	41.664Mpps	9216byte
Packet forwarding rate	0.867Mpps	10.416Mpps	1.488Mpps	14.88Mpps	5.65Mpps	16.368Mpps	6.844Mpps	27.512Mpps	38.688Mpps	9.523Mpps	41.664Mpps	9216byte	9216byte	9216byte	9216byte
Package cache	768Kbits	1.5Mbits	448Kbits	2.33Mbits	1.5Mbits	1.5Mbits	1.5Mbits	1.5Mbits	1.5Mbits	1.5Mbits	1.5Mbits	4.1Mbits	2Mbits	4.1Mbits	9216byte
Jumbo frames	1552/1336Byte	9216byte	1552/1336Byte	1552/1336Byte	2048byte/9216 byte	2048byte/9216 byte	2048byte/9216 byte	2048byte/9216 byte	2048byte/9216 byte	2048byte/9216 byte	2048byte/9216 byte	9216byte	9216byte	9216byte	9216byte
Speed limit	Support switch speed limit, When the switch is at the IPC position, the POE port outputs 10M and can support long-distance data transmission ≤ 250m, but,Power off and restart the switch speed limit function to take effect														
Transmission rate	100/1000Mbps full duplex, 10/100Mbps half-duplex network port: 10BASE-T or 100BASE-TX RJ45 interface for Ethernet														
Network protocol	IEEE802.3i 10BASE-T、IEEE802.3u 100BASE-TX、IEEE802.3x Flow Control、IEEE802.3af Power over Ethernet														
The LED light	Red—Power light; yellow—POE light (Some products do not have this lamp); green—10/100/1000M Network light; Blue—1000M Network light														
Using the environment	Working temperature: -10℃~40℃ Working humidity: 10%~90% No condensation														
Electromagnetic compatibility	CE Class B FCC Part 15, Class B VCCI Class B C-Tick														
Safety norms	CE/LVD														
Lightning protection level	2II, 2 kv														

Company introduction

We are a leading supplier of POE power supply system, since the products to market, we always focus on innovation research and design of POE power supply for many users with convenient and quick POE network power supply equipment, products widely used in IP monitoring, smart home, wireless AP, etc., we are professional to provide you with high quality, high cost performance,simple Ethernet solution for power supply equipment.

R&D/quality assurance

We always adhere to independent innovation, research and development design, actively integrate international chip manufacturers quality resources, increase the core

Competitiveness of enterprises, make our POE product technology in the world's leading position.

We strictly the quality of each product, we have a well-equipped laboratory, such as: network points norm of instrument, spectrometer, high and low temperature tester, high temperature aging, low temperature aging box, a full set of validation of equipment, high voltage tester every product before full scale production in terms of product producibility, stability, reliability, validation, to ensure the quality of product of mass production.

Service

We always adhere to the concept that quality is the source of customers, adhere to provide quality services for the majority of customers at home and abroad, at the same time, we can carry out software function customization, hardware design customization, product packaging design and special field applications.With our professional scientific research and technical ability, excellent product quality, quality service to meet the needs of every customer.