Mesh-Link
绍明

Gigabit 4-24 port standard POE power supply switch

POE power supply switch provides 4-24 (100M) Gigabit POE electrical ports, POE electrical ports support IEEE 802.3af/at power supply standards, single port maximum output POE power 15.4W, the maximum output POE power of the whole machine 370W. POE series switches are in a leading position among similar products, can meet the networking needs of large networks, and have rich intelligent and security features. They are widely used in campus access (such as office and monitoring, wireless AP and other POE scenarios), Gigabit to desktop and other scenarios.

PRODUCT DETAIL

Technical Parameters

◆ Ethernet UTP interface
Speed: 100M or 1000M, full duplex, half duplex fully adaptive
Protocol: Support IEEE 802.3, IEEE 802.1Q (VLAN)
MAC address table: can learn 4096 MAC addresses
Physical interface: RJ45 socket supports AUTO-MDIX (cross line and straight line adaptive)

◆ Ethernet POE features
PoE standard: IEEE 802.3af (port output power 15.4W)
PoE Type: End Spanning
PoE port characteristics: port output power 15.4W (IEEE802.3af)
PoE transmission core: 1/2+, 3/6-wire pairs (4/5+, 7/8-wire pairs optional)

◆ Electrical and mechanical characteristics
System power supply: AC180V ~ 260V; DC –48V; DC +24V
Power consumption: ≤5W
Appearance structure: Rack type (can be mounted on a cabinet)

◆ Working environment
Working temperature: -10℃ ~50℃
Working humidity: 5% ~ 95% (non-condensing)
Storage temperature: -40℃~80℃
Storage humidity: 5%~95% (no condensation)

PRODUCT FEATURES

◆ Automatically adapt to 10Mbps and 100Mbps environments to facilitate network upgrades;
◆ The device provides 4-24 Ethernet electrical ports.
◆ Ethernet port supports standard IEEE802.3af power supply;
◆ The maximum power of the Ethernet power supply port is 15.4W;
◆ Support full-duplex and half-duplex network communications, with automatic negotiation capability;

Connection diagram

POE switches are widely used in education, medical, government, finance, electricity, operators and the Internet for wireless AP access, surveillance camera access or other equipment that requires POE power supply. They provide remote power supply in POE and POE+ mode, solving the problem of power cables being unable to be laid or being inaccessible to the greatest extent.

SPECIFICATION

Technical parameter list		Detailed parameter description
powered by	Power supply	Mains power supply
	Input voltage	AC100-240V 50-60Hz
	Power consumption	The machine itself consumes less than 15W Total power consumption is less than 370W
Port parameters	network port	1~24 Downlink network port: 10/100Mbps 2 uplink optical ports 1.25Gbps/SFP 2 Uplink network ports: 10/100/1000Mbps
	Transmission distance	1~24 downstream POE network port: 100 meters Uplink network port: less than 100 meters
	Transmission medium	1~24 downstream network ports: Cat5e/6 standard UTP network cable, Uplink optical port: optical fiber/SFP Uplink electrical port: Cat5e/6 standard UTP network cable
	POE Standards	Comply with IEEE 802.3af/at international standards, single-port maximum power supply 30W
	PoE power supply mode	End-Spanning Method
	PoE power supply	Single POE port ≤15.4W, whole device <370W
Exchange Parameters	Web Standards	IEEE802.3i, IEEE802.3u, IEEE802.3ab, IEEE802.3z, IEEE802.3x, IEEE802.3az, IEEE802.1Q (VLAN), IEEE 802.1w (RSTP), IEEE 802.3af/at
	Backplane bandwidth	8-52Gbps
	Forwarding method	Store and Forward
	Forwarding rate	10Mbps:14880pps, 100Mbps:148800pps
	Packet Data Cache	6.5M
	MAC address table	4K
Status Indicator	Power Indicator	1 power indicator (green)
	Fiber optic indicator light	GF port green light
	Uplink port indicator light	25,26
	Ultra long distance transmission indicator light	1 indicates CCTV (green)
	POE power supply port LED	PoE status indicator 24 yellow lights
	Network data port LED	Data status indication 24 green lights
Protection level	Communication port lightning protection	4KV Implementation standard: IEC61000-4-5
Environmental Specifications	Operating temperature	-20℃~60℃
	Storage temperature	-40℃~70℃
	Humidity (non-condensing)	5~95%
reliability	Mean Time Between Failures (MTBF)	> 50000h

Model Series :

model	describe
TX 7 - POE-4E	100M 4-port POE + 2 100M network ports, built-in power supply 60W, standard power supply, desktop, backplane bandwidth 1.2Gbps, whole machine power ≤ 60W, single port power 15.4W, power supply protocol IEEE802.3AF/AT
TX7-POE-8E2GE	100M 8-port POE + 2 Gigabit uplink ports, external power supply 48V3A, standard power supply, desktop backplane bandwidth 5.6Gbps, whole machine power ≤ 96W, single port power 15.4W, power supply protocol IEEE802.3AF/AT
TX 7 - POE-8E2GE	100M 8-port POE + 2 Gigabit uplink ports, built-in power supply 90W, standard power supply, desktop, backplane bandwidth 5.6Gbps, whole machine power ≤ 96W, single port power 15.4W, power supply protocol IEEE802.3AF/AT
TX7-POE-4GE	Gigabit 4-port POE + 1 Gigabit network port, external power supply 60W, standard power supply, desktop , backplane bandwidth 12Gbps, whole machine power ≤ 60W, single port power 15.4W, power supply protocol IEEE802.3AF/AT
TX7-POE-8GE	Gigabit 8-port POE + 2 Gigabit uplink ports, external power supply 48V3A, standard power supply, desktop backplane bandwidth 20Gbps, whole machine power ≤ 96W, single port power 15.4W, power supply protocol IEEE802.3AF/AT
TX7-POE-8GE	Gigabit 8-port POE+ 8 Gigabit uplink ports, built-in power supply 90W, standard power supply, desktop , backplane bandwidth 20Gbps, whole machine power ≤ 96W, single port power 15.4W, power supply protocol IEEE802.3AF/AT
TX7-POE-12E	100M 12-port POE + 2 100M network ports, external power supply 48V3A, standard power supply, desktop , backplane bandwidth 2.8Gbps, whole machine power ≤ 120W, single port power 15.4W, power supply protocol IEEE802.3AF/AT
TX7-POE-12GE	Gigabit 12-port POE + 2 Gigabit uplink ports, external power supply 120W, standard power supply, desktop , backplane bandwidth 16Gbps, whole machine power ≤ 120W, single port power 15.4W, power supply protocol IEEE802.3AF/AT
TX7-POE-16E2GE	100M 16-port POE + 2 Gigabit Ethernet ports, built-in power supply 150W, standard power supply, independent , backplane bandwidth 7.2Gbps, whole machine power ≤ 150W, single port power 15.4W, power supply protocol IEEE802.3AF/AT
TX7-POE-16E2GE	100M 16-port POE + 2 Gigabit Ethernet ports, built-in power supply 260W, standard power supply, rack-mounted, backplane bandwidth 7.2Gbps, total power ≤ 260W, single-port power 15.4W, power supply protocol IEEE802.3AF/AT
TX7-POE-16E2GE	100M 16-port POE + 2 Gigabit Ethernet ports, built-in power supply 400W, standard power supply, rack-mounted, backplane bandwidth 7.2Gbps, total power ≤ 400W, single-port power 15.4W, power supply protocol IEEE802.3AF/AT
TX7-POE-16GE	Gigabit 16-port POE + 2 Gigabit network ports, built-in power supply 260W, standard power supply, rack-mounted, backplane bandwidth 36Gbps, whole machine power ≤ 260W, single port power 15.4W, power supply protocol IEEE802.3AF/AT
TX7-POE-16GE	Gigabit 16-port POE + 2 Gigabit network ports, built-in power supply 400W, standard power supply, rack-mounted, backplane bandwidth 36Gbps, whole machine power ≤ 400W, single port power 15.4W, power supply protocol IEEE802.3AF/AT
TX7-POE-24E4GE	100M 24-port POE + 4 Gigabit Ethernet ports, built-in power supply 400W, standard power supply, rack-mounted, backplane bandwidth 8.8Gbps, total power ≤ 400W, single-port power 15.4W, power supply protocol IEEE802.3AF/AT
TX7-POE-24GE	Gigabit 24-port POE + 2 Gigabit uplink ports, built-in power supply 260W, standard power supply, rack-mounted, backplane bandwidth 52Gbps, total power ≤ 260W, single-port power 15.4W, power supply protocol IEEE802.3AF/AT
TX7-POE-24GE	Gigabit 24-port POE + 2 Gigabit uplink ports, built-in power supply 400W, standard power supply, rack-mounted, backplane bandwidth 52Gbps, whole machine power ≤ 400W, single port power 15.4W, power supply protocol IEEE802.3AF/AT