

## ES420-10P-POE

### L2 Simple Management PoE Switch

#### Product Overview

ES420-10P-POE can provide 8 \*10/100/1000M auto MDI/MDIX function plus 2 \* SFP port which can realize wire-speed forwarding. It is a self-developed full Gigabit Layer 2 network management switch designed to enhance the needs of high-performance Gigabit accessing network, like WIFI AP, IP camera, IP phone and other types of equipment. It has 8 full Gigabit RJ45 ports, and can provide a comprehensive like QoS strategy, rich VLAN functions and simple management and maintenance, all the features make it operate as the ideal access layer device in the home and office building.



## Key Features and Highlights

- 8 \* 10/100/1000Mbps RJ45 ports (Auto-Negotiation & Auto-MDI/MDIX) plus 2 \* SFP
- Support IEEE 802.3i, 802.3u, 802.3ab, 802.3z, 802.3x, 802.1q, 802.1p
- Dedicate console management port
- Support store-and-forward
- Support MAC auto-learning
- Support WEB management
- Supporting IEEE802.3x full-duplex and half-duplex flow control
- LED indicator display port operation status
- Build-in PSU, iron shell design

## Specifications

Item		Description
<b>Interface</b>		8 * 10/100/1000M BASE-T (Auto MDI/MDIX) + 2 * SFP + 1* console
<b>Performance</b>		
<b>Switching Capacity</b>		20Gbps
<b>Forwarding Rate</b>		14.88Mpps
<b>MAC address table</b>		8K
<b>Jumbo Frame</b>		9K
<b>ACL Table</b>		IP ACL 50 , ipv6 ACL 64 , MAC ACL30, Expert ACL 30
<b>Queues per port</b>		8
<b>VLAN Table</b>		4094
<b>Supported standards and protocols</b>		IEEE 802.3, 802.3u, 802.3ab, 802.3z, 802.3x, 802.1q, 802.1p
<b>Physical</b>		
<b>Network Medium</b>		10Base-T, 100Base-TX: Cat-5 or above UTP 1000Base-T: Cat-5e or above UTP
<b>LED in-dicator</b>	<b>Port</b>	Link/Act/Speed, PoE Status, SFP1, SFP2
	<b>Other</b>	Power
<b>Dimension (L x W x H)</b>		280*180*44mm
<b>PoE</b>		IEEE 802.3af PoE (15.4W) IEEE 802.3at PoE+(30W) Maximum Output Power 124W
<b>Power Input</b>		100-240V, 50/60Hz
<b>Power consumption</b>		Max 20W
<b>Temperature</b>		Working 0°C ~ 40°C, Storage -10°C ~ 70°C
<b>Relative Humidity</b>		Working 10% ~ 90% non-condensing Storage 5% ~ 90% non-condensing
<b>Main Features</b>		
<b>Forwarding</b>		Store and Forward
<b>VLAN</b>		IEEE802.1Q, MAC VLAN, Protocol VLAN, IP Subnet VLAN, Voice VLAN GVRP Static QinQ, Flexible QinQ, VLAN Translation
<b>DHCP</b>		IPv4/IPv6 DHCP Snooping, IPv4/IPv6 DHCP Server, DHCPv4 Option 82
<b>Reliability</b>	<b>Spanning Tree</b>	802.1D STP, 802.1W RSTP, 802.1S MSTP Root Guard, BPDU Guard, BPDU Forwarding
	<b>LACP</b>	8 groups / 8 ports
	<b>L2 Ring</b>	Loopback-detection

	Protection	
<b>Security</b>		Standard IP ACL, extended IP ACL, MAC ACL, User-defined ACL Storm Control based on packets and bytes Port-security, MAC Limit based on Port, error-disabled CPU-car, BPDU-car, Anti-ARP-Flood, Anti-ARP-Spoofing, Anti-DOS Attack IEEE 802.1x Authentication, Authorization, Accounting Radius, TACACS+ IP Source Guard, Port Isolation, Private VLAN
<b>Multicast</b>		IGMP v1/v2/v3 snooping, IGMP Fast leave MVR MLD v1/v2 snooping
<b>QoS</b>		8 Queues Per Port Bandwidth Control Flow Control Classification based on ACL, VLAN ID, COS, DSCP Remark DSCP, COS SP, RR, WRR, SP+ WRR, WFQ, SP+WFQ for Scheduling
<b>Maintenance and Operation Management</b>		TFTP/FTP CLI, Telnet, SSH, Console, Web SNMPv1/v2c/v3 SNMP Trap RMON 1,2,3,9 Ping, Trace Route Radius Authentication Syslog SNTP Client Port Mirror, CPU Mirror OAM EFM VCT, DDM LLDP
<b>Green Energy</b>		IEEE 802.3az (Energy Efficient Ethernet) Fanless

## Order Information

Product	Description
<b>ES420-10P-PoE</b>	8 port PoE manage switch , 8 * 10/100/1000M + 2 * SFP + 1* console
<b>SFP-SX-L</b>	1000Base-SX SFP (850nm, MMF,550m), LC
<b>SFP-LX-L</b>	1000Base-LX SFP (1310nm, SMF,10km), LC