

ES420-26P-POE

L2 Gigabit Simple Management PoE Access Switch

Product Overview

ES420-26P-POE is a Gigabit managed PoE Ethernet switch product developed by DCN, providing 24 10/100/1000Mbps RJ45 and 2 Gigabit SFP ports, each port supports automatic MDI/MDIX function, and can achieve wire-speed forwarding. All 24 ports support PoE function which complies with IEEE 802.3at standard and are backward compatible with 802.3af. ES420-26P-POE can be used as power sourcing equipment, and can automatically detect and identify the powered device that meets the standard and supply power through network cable.

The ES420-26P switch is a fully-gigabit Layer 2 network management switch designed and developed independently for building high-performance gigabit networks. It provides a comprehensive security protection system, complete QoS policies, and rich VLAN functions. It is easy to manage and maintain, and is mainly deployed as access layer of SMEs, communities, and schools.



Key Features and Highlights

- 24 10/100/1000M auto-negotiation RJ45 ports
- 2 Gigabit fiber ports
- Complies with IEEE 802.3, 802.3u, 802.3ab, 802.3z, 802.3x, 802.1q, 802.1p standards
- Support IEEE 802.3af and 802.3at standards
- The maximum output of each port supports 30W, and the total power can reach 330W
- Store-and-forward architecture
- Support IEEE802.3x full-duplex flow control and Backpressure half-duplex flow control
- Support Web interface management
- Support MAC address self-learning
- Dynamic LED indicator provides simple working status prompts and troubleshooting
- Built-in power supply, iron shell structure design, suitable for rack installation

Specifications

Item		Specification
Interface		24 10/100/1000M auto-negotiation RJ45 (Auto MDI/MDIX) ports 2 Gigabit SFP ports
Performance		
Switching Capacity		96Gbps
Forwarding Rate		38.7Mpps
MAC address table		8K
Jumbo Frame		9K
ACL Table		IP ACL 50 , ipv6 ACL 64 , MAC ACL30, Expert ACL 30
Queues per port		8
VLAN Table		4094
Supported standards and protocols		IEEE 802.3, 802.3u, 802.3ab, 802.3z, 802.3x, 802.1q, 802.1p
Physical		
Network Medium		10Base-T, 100Base-TX: Cat-5 or above UTP 1000Base-T: Cat-5e or above UTP
LED indicator	Port	Link/Act/Speed, PoE Status, SFP1, SFP2
	Other	Power
Dimension (L x W x H)		440*208*44mm
PoE		IEEE 802.3af PoE (15.4W) IEEE 802.3at PoE+(30W) Maximum Output Power 330W
Power Input		100-240V, 50/60Hz
Power consumption		390W
Temperature		Working 0°C ~ 40°C, Storage -10°C ~ 70°C
Relative Humidity		Working 10% ~ 90% non-condensing Storage 5% ~ 90% non-condensing

Main Features	
Forwarding	Store and Forward
VLAN	IEEE802.1Q, MAC VLAN, Protocol VLAN, IP Subnet VLAN, Voice VLAN GVRP Static QinQ, Flexible QinQ, VLAN Translation
DHCP	IPv4/IPv6 DHCP Snooping, IPv4/IPv6 DHCP Server, DHCPv4 Option 82
Reliability	Spanning Tree 802.1D STP, 802.1W RSTP, 802.1S MSTP Root Guard, BPDU Guard, BPDU Forwarding
	LACP 8 groups / 8 ports
	L2 Ring Protection Loopback-detection
Security	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
Multicast	IGMP v1/v2/v3 snooping, IGMP Fast leave MVR MLD v1/v2 snooping
QoS	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
Maintenance and Operation Management	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
Green Energy	IEEE 802.3az (Energy Efficient Ethernet) Fanless

Order Information

Model	Description
ES420-26P-PoE	Gigabit Smart Managed PoE access switch, 24 10/100/1000M RJ45 ports, and 2 Gigabit SFP ports. 24 ports share 15.4W PoE power in each, and 12 ports share 30W
SFP-SX-L	1000Base-SX SFP module (850nm, MMF, 550m), LC interface
SFP-LX-L	1000Base-LX SFP module (1310nm, SMF, 10km or MMF, 550m), LC interface