DCN Europe

Switch to
a New Generation

WEBSMART SWITCHES
ES430 SERIES

- ES430-10P-POE
- ES430-18P-POE
- ES430-26P-POE

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PRODUCT OVERVIEW

The ES430 series switches are a new family of intelligent network switches with a convenient management interface via a web browser. Thanks to simple configuration and the ability to power devices using PoE technology, it provides an efficient, easy-to-manage and affordable gigabit solution for small and medium-sized networks.

ES430-10P-POE	▪ 8x10/100/1000Base T+2x100/1000Base X (SFP) ▪ AC 230 V power supply ▪ PoE+, up 120 W ▪ Switching capacity: 20 Gb/s ▪ Forwarding rate: 14,88 Mp/s
ES430-18P-POE	▪ 16x10/100/1000Base T+2x100/1000Base X (SFP) ▪ AC 230 V power supply ▪ PoE+: up to 250 W ▪ Switching capacity: 36 Gb/s ▪ Forwarding rate: 26,78 Mp/s
ES430-26P-POE	▪ 24x10/100/1000Base T+2x100/1000Base X (SFP) ▪ AC 230 V power supply ▪ PoE+, up to 370W ▪ Switching capacity: 52 Gb/s ▪ Forwarding rate: 38,68 Mp/s

- **Green Energy**
  ES430 series Ethernet switch complies the IEEE 802.3az (Energy Efficient Ethernet) standard, which greatly reduces equipment power consumption and is green and energy-saving. Fully considering the low-noise requirements of the user environment, some ES430 models adopt a fanless silent design to reduce noise pollution.

- **Redundant backup, stable and reliable**
  Supports link aggregation networking with 2 uplink ports to enhance the robustness and high reliability of user network structures.

- **Flexible working modes for rapid configuration**
  Standard: default mode with port negotiation enabled.
  Monitor: port isolation enabled on downlink ports and port aggregation enabled on uplink ports (2 SFP ports)
  Aggregation: port aggregation enabled on uplink ports (2 SFP ports)
  Isolation: port isolation enabled on downlink ports

- **IGMP snooping**
  Bandwidth consumption will be reduced in a multi-access LAN environments so as to avoid flooding the entire VLAN.

- **Loopback detection**
  It allows to avoid the loopback issues on single port or dual ports.

- **Enhanced power over Ethernet (PoE+) and monitoring**
  ES430 series provide a maximum output power of 30W per port. The real time total PoE powers and rest powers can be monitored via web page.

- **Fast PoE powering.**
  The switches can supply power to PDs less than10 seconds when they are powering on.

- **Uninterrupted powering**
  When the switch is rebooting, PDs will be kept on working mode without break

ES430 series	10P-POE	18P-POE	26P-POE
Switch classification			
Web Smart Gigabit Switch	✓	✓	✓
Ports			
10/100/1000Base-T (RJ45) with PoE	8	16	24
100/1000Base-X (SFP)	2	2	2
Technical specification			
MAC addresses	8 K	8 K	8 K
Switching capacity	20 Gbps	36 Gbps	52 Gbps
Forwarding rate	14,88 Mp/s	26,78 Mp/s	38,68 Mp/s
VLAN	4 K, Port-based, IEEE 802.1Q		
Standards & Protocols	IEEE802.3i, IEEE802.3u, IEEE802.3ab, IEEE802.3z, IEEE802.3x, IEEE802.3ad, IEEE802.1Q		
DHCP	IPv4/IPv6 DHCP Client		
Multicast	IGMP snooping		
Traffic control	Port bandwidth control		
Security	DHCP snooping, Storm suppression		
Management			
Web GUI	✓	✓	✓
imCloud (cloud management)	✓	✓	✓
IP address for management:	1		
Default	192.168.2.1		
Static (manually set)	✓	✓	✓
Obtained from DHCP server	✓	✓	✓
Port Management	Monitoring of port status and statistics		
Physical			
Cooling	Passive	Active	Active
Dimensions (Width x Height x Depth) [mm]	266 x 160,8 x 44	330 x 220 x 44	440 x 260 x 44
Operating temperature	0 °C ~ 50 °C		
Working humidity	0°C~50°C, 10%~90%, non-condensing		
Rack mountable	✓		
Rack mounting kit	-	✓	✓
Electrical			
Power supply	P ower adapter (included). AC input: 230V, 50Hz DC output: 54V/2.4A	AC input: 230V, 50Hz	AC input: 230V, 50Hz
Power Consumption	≤130W	≤270W	≤400W
PoE standards	802.3af/at		
PoE power budget	120 W	250 W	370 W
PoE real time monitor	✓	✓	✓