

ES430 series

Web Smart Gigabit Switch

Product Overview

The ES430 series switches are a new generation of web smart switches launched by DCN. ES430 series support dual-link redundant backup and feature advanced green and environmentally friendly technologies. They provide high-performance, easy-to-manage, and low-cost gigabit solutions for SMB users.

| Appearance | Description |
|--|--|
|  <p>ES430-10P</p> | <ul style="list-style-type: none"> ● 8x10/100/1000Base-T+2x100/1000Base-X (SFP) ● AC power supply ● Switching capacity: 20Gbps ● Forwarding rate: 14.88Mpps |
|  <p>ES430-18P</p> | <ul style="list-style-type: none"> ● 16x10/100/1000Base-T+2x100/1000Base-X (SFP) ● AC power supply ● Switching capacity: 36Gbps ● Forwarding rate: 26.78Mpps |
|  <p>ES430-26P</p> | <ul style="list-style-type: none"> ● 24x10/100/1000Base-T+2x100/1000Base-X (SFP) ● AC power supply ● Switching capacity: 52Gbps ● Forwarding rate: 38.68Mpps |
|  <p>ES430-10P-POE</p> | <ul style="list-style-type: none"> ● 8x10/100/1000Base-T+2x100/1000Base-X (SFP) ● PoE+, up to 120w ● AC Power adapter ● Switching capacity: 20Gbps ● Forwarding rate: 14.88Mpps |
|  <p>ES430-18P-POE</p> | <ul style="list-style-type: none"> ● 16x10/100/1000Base-T+2x100/1000Base-X (SFP) ● PoE+, up to 250w ● AC power supply ● Switching capacity: 36Gbps ● Forwarding rate: 26.78Mpps |



ES430-26P-POE

- 24x10/100/1000Base-T+2x100/1000Base-X (SFP)
- PoE+, up to 370w
- AC power supply
- Switching capacity: 52Gbps
- Forwarding rate: 38.68Mpps

Key Features and Highlights

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 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 realtime total PoE powers and rest powers can be monitored via web page.

Fast PoE powering.

The switches can supply power to PDs less than 10 seconds when they are powering on.

Uninterrupted powering

When the switch is rebooting, PDs will be kept on working mode without break.

Specifications

Non PoE models

| Item | ES430-10P | ES430-18P | ES430-26P |
|---------------------|--|--|--|
| Ports | 8 x 10/100/1000 Base-T + 2x100/1000Base-X (SFP) | 16 x 10/100/1000 Base-T PoE + 2x100/1000Base-X (SFP) | 24 x 10/100/1000 Base-T + 2x100/1000Base-X (SFP) |
| MAC addresses | 8K | 8K | 8K |
| Switching Capacity | 20Gbps | 36Gbps | 52Gbps |
| Forwarding Rate | 14.88Mpps | 26.78Mpps | 38.68Mpps |
| VLAN | Port-based & IEEE802.1Q | | |
| Standard & Protocol | 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 | | |
| Port Management | Monitoring of port status and statistics | | |

| | | | |
|--------------------------|---|--------------------------------|-----------------------------|
| PoE | Monitor realtime powers | | |
| Management | Web, Telnet, Imcloud | | |
| Green Energy | 802.3az EEE | | |
| Cooling | Passive | Passive | Active |
| Dimension (W*D*H) | 266*160.8*44mm | 266*160.8*44mm | 440*170*44mm |
| Environment | Working 0°C~50°C, 10%~90%, non-condensing Storage -40°C~70°C, 5%~90%, non-condensing | | |
| Power Supply | AC input: 100-240V, 50-60Hz | AC input: 100-240V, 50-60Hz | AC input: 100-240V, 50-60Hz |
| Power Consumption | ≤8W | ≤18W | ≤24W |

PoE models

| Item | ES430-10P-POE | ES430-18P-POE | ES430-26P-POE |
|--------------------------------|---|--|---|
| Ports | 8 x 10/100/1000 Base-T + 2x100/1000Base-X (SFP) | 16 x 10/100/1000 Base-T PoE + 2x100/1000Base-X (SFP) | 24 x 10/100/1000 Base-T + 2x100/1000Base-X (SFP) |
| MAC addresses | 8K | 8K | 8K |
| Switching Capacity | 20Gbps | 36Gbps | 52Gbps |
| Forwarding Rate | 14.88Mpps | 26.78Mpps | 38.68Mpps |
| VLAN | Port-based & IEEE802.1Q | | |
| Standard & Protocol | 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 | | |
| Port Management | Monitoring of port status and statistics | | |
| Management | Web, Telnet, Imcloud | | |
| Green Energy | 802.3az EEE | | |
| Cooling | Passive | Active | Active |
| Dimension (W*D*H) | 266*160.8*44mm | 330*220*44mm | 440*260*44mm |
| Environment | Working 0°C~50°C, 10%~90%, non-condensing Storage -40°C~70°C, 5%~90%, non-condensing | | |
| Power Supply | Power adapter. AC input: 100-240V, 50-60Hz DC output: 54V/2.4A | AC input: 100-240V, 50-60Hz | AC input: 100-240V, 50-60Hz |
| Power Consumption | ≤130W | ≤270W | ≤400W |
| PoE | 802.3af/at PoE output: 120W Monitor realtime powers | 802.3af/at PoE output: 250W Monitor realtime powers | 802.3af/at PoE output: 370W Monitor realtime powers |

Order Information

| Product | Description |
|-----------|---|
| ES430-10P | Web smart switch (iron case), 8 Gigabit electrical ports + 2 Gigabit SFP optical ports, switching capacity:20Gbps, web management, Cloud management, internal |

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|---------------|--|
| | power supply, 19" rack-mount kits included |
| ES430-18P | Web smart switch (iron case), 16 Gigabit electrical ports + 2 Gigabit SFP optical ports, switching capacity:36Gbps, internal power supply, web management, Cloud management, internal power supply, 19" rack-mount kits included |
| ES430-26P | Web smart switch (iron case), 24 Gigabit electrical ports + 2 Gigabit SFP optical ports, switching capacity:52Gbps, internal power supply, web management, Cloud management, 19" rack-mount kits included |
| ES430-10P-POE | Web smart PoE switch (desktop iron case), 8 Gigabit electrical ports + 2 Gigabit SFP optical ports, IEEE 802.3af/at, Maximum PoE power supply 120W, switching capacity: 20Gbps, power adapter, web management, Cloud management (rack-mountable & default without rack-mount kits) |
| ES430-18P-POE | Web smart PoE switch (iron case), 16 Gigabit electrical ports + 2 Gigabit SFP optical ports, Maximum PoE power supply 250W, switching capacity: 36Gbps, web management, Cloud management, 19" rack-mount kits included |
| ES430-26P-POE | Web smart PoE switch (iron case), 24 Gigabit electrical ports + 2 Gigabit SFP optical ports. IEEE 802.3af/at, Maximum PoE power supply 370W, switching capacity: 52Gbps, web management, Cloud management, 19" rack-mount kits included |