

## DS-3E23XXP Series POE Switches



### Features and Functions

- DS-3E23XXP Series supports the telecom-level Ethernet-ring protection protocol with a protection shift time of less than 50ms, STP/RSTP, backup of active and standby uplinks, and LACP link aggregation to cater to the requirements of high reliability of carriers;
- DS-3E23XXP Series has powerful ACL functions to access and control L2-L7 data, providing carriers flexible and various policy control methods;
- DS-3E23XXP Series supports In-Service Software Upgrade (ISSU) to ensure the unremitting data forwarding during system upgrade;
- DS-3E23XXP Series supports various L2 multicast functions such as IGMP-snooping, user fast-leave mechanism and trans-vlan multicast copy;
- DS-3E23XXP Series supports IEEE 802.3AF/AT standard, built-in large power supply, no need of external power supply, that is, 24-port AF full-load power supply.
- DS-3E23XXP Series supports the configuration of Base-T port priority when the power is inadequate.
- DS-3E23XXP Series supports POE port and up to 4KV power thunder-proof.
- DS-3E23XXP Series supports priority retagging and complicated flow classification based on VLAN, MAC, source address, destination address, IP or priority to better streamline carrier's services;
- DS-3E23XXP Series provides flexible bandwidth control policies, supporting port-/flow-based flow limit, and ensuring the line speed forwarding of each port to make sure the high quality of network services;
- DS-3E23XXP Series supports multiple queue schedule algorithms such as SP, WRR, or "SP plus WRR";
- Equipment-level security: The advanced hardware infrastructure design realizes the level-based packet schedule and packet protection, prevents DoS-/TCP-related SYN Flood, UDP Flood, Broadcast Storm or large traffic attacks, and supports level-based command line protection, endowing different levels of users with different management permissions;
- Perfect security authentication mechanisms: IEEE 802.1x, Radius and BDTacacs+;
- DS-3E23XXP Series supports storm/multicast/unicast limit which ensures the normal running of equipment in harsh network conditions;
- DS-3E23XXP Series supports perfect ring detection mechanism which ensures the long-term stable running of network;
- DS-3E23XXP Series supports port isolation within the same VLAN, DHCP-Snooping, and IP plus MAC plus Port binding for ensuring user data security;
- DS-3E23XXP Series many management modes such as the console port, Telnet, SSH;
- DS-3E23XXP Series supports the WEB management mode, which is easy and efficient so that it makes installation and debugging convenient;
- DS-3E23XXP Series supports TFTP-patterned file upload/download management;

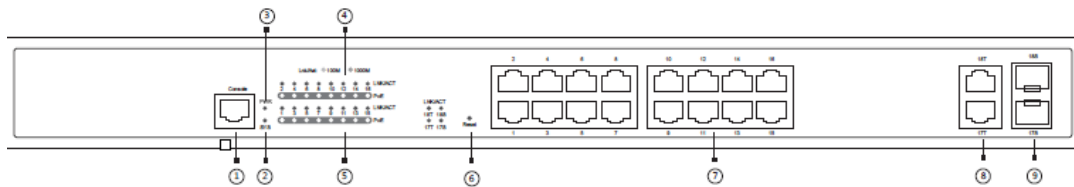


## Specifications

Item	DS-3E2310P	DS-3E2318P	DS-3E2326P
Backplane	10Gbps	21.2Gbps	22.8Gbps
Forwarding rate	5.6Mpps	8.4Mpps	9.6Mpps
MAC	8K	8K	8K
Ports	8 100M Base-T ports+2 gigabit combo ports	16 100M Base-T ports + 2 gigabit combo ports	24 100M Base-T ports + 2 gigabit combo ports
Dimensions(WxDxH)(mm)	280*179*45	440x232x44	440x232x44
Consumption	<15W	<15W	<15W
POE/POE+	Support	Support	Support
POE power consumption	140W(POE 125W)	330W (POE 300W)	400W (POE 380W)
Power supply	AC : 100V-240V , 50Hz±10%		
Environment	Operating temperature/humidity: 0°C-50°C , 10%-90% non-condensing Storage temperature/humidity: -20°C-70°C ; 5%-95% non-condensing		
MAC exchange	Static configuration and dynamic MAC learning; MAC browsing and removal Configurable aging time of the MAC address; Limited number of learnable MAC addresses; MAC filtration		
VLAN	4K VLAN; GVRP; QinQ; Private VLAN		
STP	802.1D (STP), 802.1W (RSTP) and 802.1S (MSTP) BPDU protection, root protection, and loopback protection		
Multicast	IGMP v1/v2/v3 IGMP snooping IGMP Fast Leave Multicast group strategy and quantity limitation Multicast flow copying over VLANs (S2108POE does not support the function.)		
QoS	Flow classification based on L2~4 protocols (S2108POE does not support the function.) CAR flow limit 802.1P/DSCP priority re-labeling (S2108POE does not support the function.) SP, WRR, and "SP+WRR" Congestion avoidance mechanisms like Tail-Drop and WRED Flow monitoring and flow shaping		
Security	L2/L3/L4 ACL flow identification and filtration (S2108POE does not support the function.) DDoS attack prevention, TCP's SYN Flood attack prevention, UDP Flood attack prevention, etc Broadcast/multicast/unknown unicast storm-control Port isolation Port security, and "IP+MAC+port" binding (S2108POE does not support.)		
Reliability	Static/LACP link aggregation EAPS and ERPS		
Management	Console, Telnet, SSH2.0, Web SNMP v1/v2/v3 TFTP RMON		

# Physical Interfaces

Front Panel (Take the front panel of DS-3E2318P as an example.)



No.	Abbrev.	Name	Remarks
1	Console	Console port	Manages the switch locally.
2	SYS	System indicator	If the indicator is always on, the system works normally.
3	PWR	power indicator	If the switch is powered on, the indicator is on.
4	Lnk/Act	Lnk/Act indicator corresponding to each port	Green indicator is on: 10/100M is transmitted; Red indicator is on: 1000M is transmitted; No indicator is on: no signal is transmitted.
5	PoE	PoE indicator corresponding to each port	If the indicator is always on, the PoE works normally. If the indicator is off, the PoE does not work.
6	Reset	RESET	Resume to the default setting.
7	/	16 RJ45 ports	Realizes the PoE function and forwards 10/100M Ethernet electrical signals
8	/	2 gigabit RJ45 ports	Realizes the forward of 10/100/1000M Ethernet electrical signals.
9	/	2 SFP ports	Realizes the forward of gigabit Ethernet optical signals.

## Available Model

- DS-3E2310P
- DS-3E2318P
- DS-3E2326P

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