

DS-3E23xxP Series PoE Switches



- Ethernet-Ring Protection w/Shift Time <50 ms
- ACL Functions Access and Control L2-L7 Data
- In-Service Software Upgrade (ISSU)
- L2 Multicast: IGMP-Snooping, User Fast-Leave Mechanism, Trans-vlan Multicast Copy
- IEEE 802.3AF/AT Standard, Large Power Supply
- Base-T Port Priority when Power Inadequate
- PoE Port and Up to 4 KV Power Thunder-Proof
- Priority Retagging and Complicated Flow Classification Based on VLAN, MAC, Source Address, Destination Address, IP, or Priority
- Flexible Bandwidth Control Policies, Supports Port-/Flow-Based Flow Limit, Ensures Line Speed Forwarding of Each Port
- Multiple Queue Schedule Algorithms: SP, WRR, or SP Plus WRR
- Equipment-Level Security
- Authentication: IEEE 802.1x, Radius, BDTacacs+
- Storm/Multicast/Unicast Limit Ensures Normal Running in Harsh Network Conditions
- Perfect Ring Detection Mechanism for Long-Term Stability
- Port Isolation in Same VLAN, DHCP-Snooping, IP Plus MAC Plus Port Binding for Data Security
- Console Port, Telnet, SSH Management Modes
- Efficient Installation and Debugging
- TFTP-Patterned File Upload/Download Management

The Hikvision DS-3E23xxP Series of PoE switches provides stable power (IEEE 802.3AF/AT Standard) and data to downstream peripheral devices (e.g., cameras). These switches provide extensive data and power protection and offer detailed management options for comprehensive system control.

Equipment-based security and authentication features ensure data safety and network integrity. Gigabit RJ-45 and optical Ethernet ports are included to provide optimized high-speed communication.

Available Models:

DS-3E2310P : 8 PoE ports

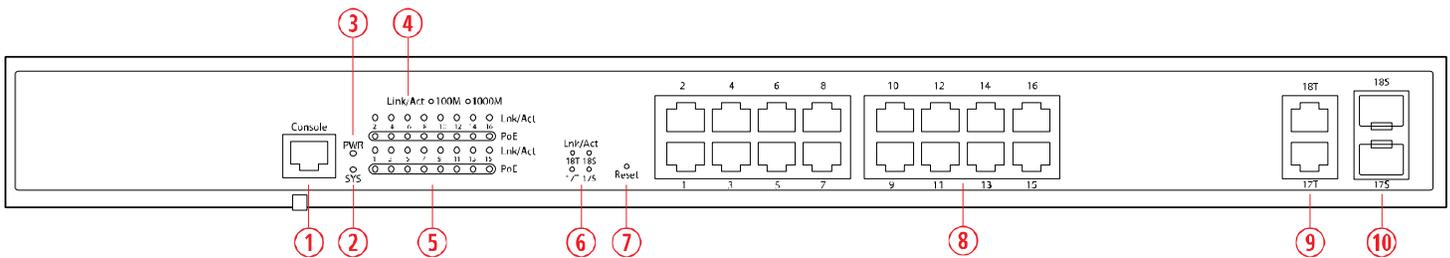
DS-3E2318P : 16 PoE ports

DS-3E2326P : 24 PoE ports

Specifications

	DS-3E2310P	DS-3E2318P	DS-3E2326P
Backplane	10 Gbps	21.2 Gbps	22.8 Gbps
Forwarding Rate	5.6 Mpps	8.4 Mpps	9.6 Mpps
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 (W×D×H)	280 mm x 179 mm x 45 mm	440 × 232 × 44	440 × 232 × 44
Consumption	<15 W	<15 W	<15 W
PoE/PoE+	Supported	Supported	Supported
PoE Power Consumption	140 W (PoE 125 W)	330 W (PoE 300 W)	400 W (PoE 380 W)
Power Supply	100–240 VAC, 50/60 Hz ±10%		
Environment	Operating temperature/humidity: 32° to 122° F (0° to 50° C), 10%–90% non-condensing Storage temperature/humidity: 39° to 158° F (-20° to 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, loopback protection		
Multicast	IGMP v1/v2/v3, IGMP snooping, IGMP Fast Leave, Multicast group strategy and quantity limitation, Multicast flow copying over VLANs		
QoS	Flow classification based on L2–4 protocols, CAR flow limit, DSCP priority re-labeling, 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, 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		
Reliability	Static/LACP link aggregation, EAPS, and ERPS		
Management	Console, Telnet, SSH2.0, Web, SNMP v1/v2/v3, TFTP, RMON, LLDP Protocol		

Physical Interfaces *



No.	Label	Name	Remarks
①	Console	Console port	Manages the switch locally
②	SYS	System indicator	Blinking: System is working normally
③	PWR	Power indicator	If switch is powered on, indicator is on
④	Lnk/Act	Lnk/Act indicator per port	Green: 10/100M transmitted; Red: 1000M transmitted; Off: no signal transmitted
⑤	PoE	PoE indicator per port	On: PoE is working normally Off: PoE is not working
⑥	Lnk/Act (17T/17S) (18T/18S)	Lnk/Act indicator per gigabit port	Green: 10/100M transmitted; Red: 1000M transmitted; Off: no signal transmitted
⑦	Reset	RESET	Resumes default settings
⑧	1–n	PoE RJ-45 ports*	Supports PoE function and forwards 10/100M Ethernet electrical signals
⑨	17T/18T	2 gigabit RJ-45 ports	Forwards 10/100/1000M Ethernet electrical signals
⑩	17S/18S	2 SFP ports	Forwards gigabit Ethernet optical signals

* 16 port DS-3E2318P shown. DS-3E2310P has 8 ports, and DS-3E2326P has 24 ports