

DS-3E2510P-SI-8P2F **8 Gigabit PoE RJ45 and 2 Gigabit SFP Switch**



DS-3E2510P-SI-8P2F is a new generation Gigabit Ethernet PoE switch product designed to meet the demands of secure, intelligent surveillance networks. It provides advanced Ethernet PoE power supply technology, comprehensive security access policies, and enhanced network management and maintenance usability, making it an ideal secure and user-friendly access layer switch.

- Supports management via Hik-Partner Pro app.
- Supports management via unified network management platform (UNMP).
- Supports port isolation, storm control, MAC binding, and port mirroring.
- Supports STP/RSTP/MSTP, which can eliminate loops in LAN.
- Supports L3 IPv4/IPv6 static route forwarding.
- Supports port rate limiting and flow rate limiting functions to prevent malicious bandwidth occupation. It has rich queue scheduling algorithms, which can place packets into the output queue of the port with different priorities.
- Uses professional built-in lightning protection technology, supports industry-leading 6 kV service port lightning protection capability, and greatly reduces the damage rate of equipment by lightning strikes even in harsh working environments.

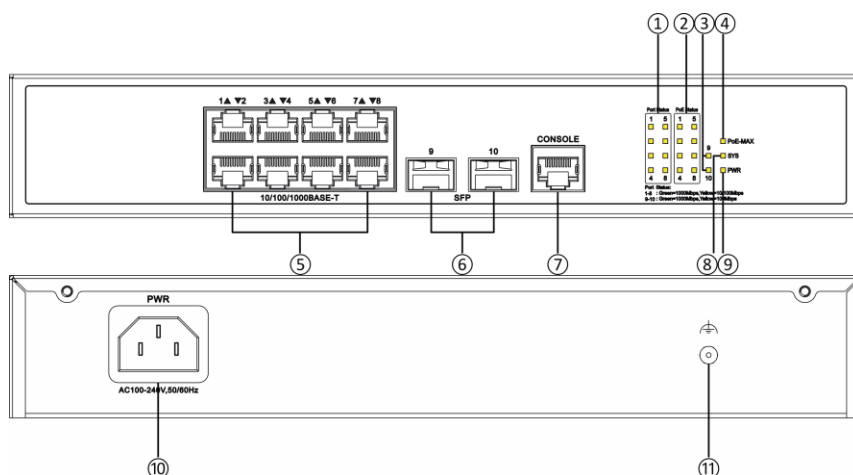
▪ Specification

General	
Dimensions (W × H × D)	266.0 mm × 44.5 mm × 220.8 mm (10.47" × 1.75" × 8.69")
Net Weight	1.77 kg (3.90 lb)
Gross Weight	2.63 kg (5.80 lb)
Operating Temperature	0 °C to 45 °C (32 °F to 113 °F)
Operating Humidity	5% to 95% (no condensation)
Storage Temperature	-40 °C to 85 °C (-40 °F to 185 °F)
Relative Humidity	5% to 95% (no condensation)
Installation Mode	Rack-Mounted (1U height, 10-inch width)
Power Supply Method	AC: 100-240 V, 50/60 Hz, 2.5 A
Console Port	1 × Console Port
Power Supply Unit	1 fixed PSU(s)
Fan	Fanless
Power Consumption	≤ 150 W
Surge Protection	6 kV
Packing List	Switch × 1 AC Power Cord × 1 L-Shaped Bracket Kit × 1 Console Port Cable × 1 Grounding Cable × 1 Clip × 1 Plastic Foot × 4 Quick Start Guide × 1 Regulatory Compliance and Safety Information × 1
Network Parameters	
Ports	8 × Gigabit PoE port, 2 × Gigabit fiber optical port
Switching Capacity	20 Gbps
Packet Forwarding Rate	14.88 Mpps
MAC Address Capacity	8 K
Cache	4.1 Mbits
PoE Power Supply	
PoE Standard	IEEE 802.3af, IEEE 802.3at
PoE Port	PoE: Ports 1 to 8
Max. Port Power	Ports 1 to 8: Max. 30 W/port
PoE Power Budget	125 W
PoE Power Pin	8-pin power: 1/2(-), 3/6(+), 4/5(+), 7/8(-)
PoE Watchdog	Support PoE watchdog.
Scheduled PoE	Support scheduled PoE power-on and power-off.
PoE Compatibility Mode	Support PoE compatibility mode.
Software Function	
Link Aggregation	Support static link aggregation, Support dynamic LACP.
Auto-Negotiation	Fiber optical ports 9 to 10: 1G/100M auto-negotiation
VLAN	IP subnet-based VLAN, Protocol-based VLAN, MAC-based VLAN, MVRP, VLAN mapping, Port-based VLAN, 4K VLAN

Multicast	Support MLD Snooping IGMPv1/v2 Snooping
STP	Support STP. Support RSTP. Support MSTP.
ERPS	Support G.8032 ERPS.
RRPP	Support RRPP.
Private Loop Detection	Support loop detection.
Storm Control	Support storm control.
Traffic Suppression	Support traffic suppression.
Mirroring	Support local port mirroring. Support remote port mirroring. Support N:1 port mirroring. Support traffic mirroring.
IPv4 Service	Support Ping. Support Telnet. Support Trace. Support DNS. Support ARP. Support ARP Proxy.
IPv4 Route	Support IPv4 static routing.
IPv6 Service	Support IPv4 and IPv6 dual stacks. Support neighbor discovery (ND). Support PMTU discovery. Support DNS over IPv6. Support ICMPv6.
IPv6 Route	Support IPv6 static routing.
DHCP	Support DHCP client. Support DHCP snooping. Support DHCP snooping Option 82. Support DHCPv6 client. Support DHCPv6 snooping.
Cable Test	Support virtual cable test (VCT). Support device link detection protocol (DLDP).
RADIUS Authentication	Support RADIUS authentication.
TACACS+ Authentication	Support TACACS+ authentication.
802.1X Authentication	Support 802.1X authentication.
MAC Authentication	Support MAC authentication.
ACL	Support L2-L4 packet filtering functionality. Support ACL definitions based on source and destination MAC addresses, source and destination IP addresses (IPv4/IPv6), IP protocol type, TCP/UDP port numbers or port ranges, and VLAN IDs. Support Time Range-based ACLs. Support configuration of basic, advanced, and MAC ACLs. Support ACL application by port, VLAN, or globally. Support Expert ACL functionality. Support inbound and outbound ACL enforcement.

QoS	Support 802.1p/DSCP priority mapping. Support queue scheduling mechanisms (SP, WRR, SP+WRR). Support packet priority marking and remarking. Support flow-based packet filtering. Support flow-based traffic statistics. Support flow-based packet redirection. Support flow-based rate limiting. Support 8 queues per port. Support tail drop congestion control policy.
Security	Support DoS attack protection. Support CPU attack protection. Support IP Source Guard (IPv4/IPv6). Support port isolation. Support HTTPS. Support ARP detection. Support ND snooping. Support IP-MAC binding.
LLDP	Support LLDP and CDP.
Operation Management	
Topology Display	Support topology display.
Status Alarm	Support status alarm.
Management Platform	Support device management via web. Support SADP. Support device management via Hik-Partner Pro. Support device management via Hik-Central Pro. Support device management via iVMS-4200 Client. Support device management via Unified Network Management Platform.
SSH	Support SSHv2.
Telnet	Support Telnet.
SNMP	Support SNMPv1. Support SNMPv2c. Support SNMPv3.
NTP	Support NTP.
RMON	Support RMON.
sFlow	Support counter sampling.
FTP	Support FTP.
TFTP	Support TFTP.
CFM	Support CFM.
EFM	Support EFM.
Y.1731	Support Y.1731.
DDM	Fiber optical ports support DDM.
Log	Support system logs.

▪ Physical Interface

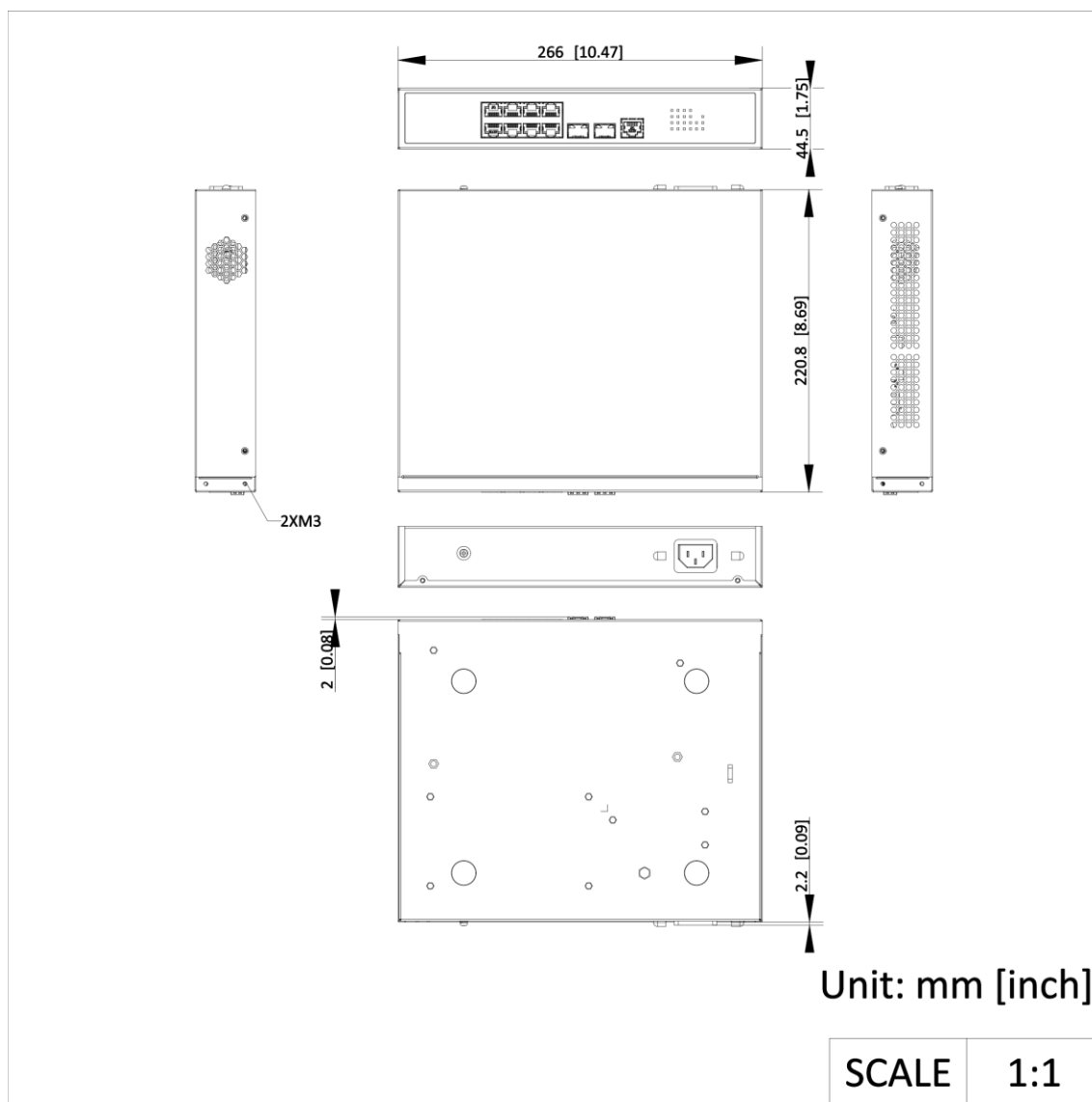


No.	Indicator/Port	No.	Indicator/Port
①	Port Status Indicator	⑦	Console Port
②	PoE Status Indicator	⑧	SYS Indicator
③	SFP Fiber Optical Port Indicator	⑨	PWR Indicator
④	PoE-MAX Indicator	⑩	Power Supply
⑤	10/100/1000 Mbps PoE RJ45 Port	⑪	Grounding Terminal
⑥	SFP Fiber Optical Port		

▪ Available Model

DS-3E2510P-SI-8P2F

▪ Dimension



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