DS-3E2510P(B) Gigabit Ethernet switch

DS-3E2510P(B) switch is a new generation of intelligent access switch launched by our company for operator local network and enterprise network. Based on the new generation of high-performance hardware and software platform with independent intellectual property rights, ds-3e2510p (b) supports powerful ACL, QinQ, QoS and other functions, and supports three-tier routing. Its simple and rich management mode and flexible installation mode enable the product to meet the access requirements of various complex scenarios.



Feature and Function

- 8 Gigabit Poe electrical ports and 2 Gigabit / 100M SFP optical ports
- Support static routing, policy routing, rip, OSPF and other three-layer routing protocols
- IGMP snooping and GRMP for filtering multicast traffic.
- Port-based VLAN, IEEE 802.1Q VLAN, and GVRP to ease network planning.
- Support IEEE 802.1x authentication, radius and bdtacacs + authentication
- Support EAPs and ERPs Ethernet ring network protection protocol
- QoS (IEEE 802.1P/1Q and TOS/DiffServ) to increase determinism.
- Support IEEE 802.3af/at compliant PoE.
- Each PoE port provides up to 30W output power.
- PoE management: PoE device detection, PoE power management
- Easy network management by web browser, Console, Telnet, SSH.
- SNMPv1/v2c/v3 for different levels of network management.

Specification

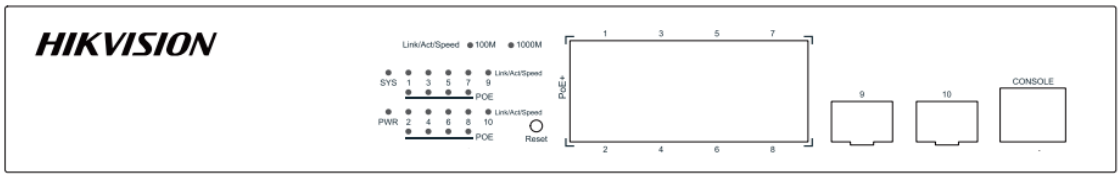
Model		DS-3E2510P(B)
Network Parameters	Port Number	8 Gigabit Poe electrical ports and 2 Gigabit SFP optical ports
	Forwarding Mode	Store-and-forward switching
	MAC Address Table	8 K
	Switching Capacity	336 Gbps
	Packet Forwarding Rate	28 Mpps
PoE Power Supply	PoE Standard	IEEE 802.3af, IEEE 802.3at
	PoE Power Pin	Mid-span: 1/2(-), 3/6(+)

	PoE Port	Ports 1 to 8
	Max. Port Power	30 W
	PoE Power Budget	130 W
Software Function	Device Maintenance	Support Console, Telnet, SSH Support web, http,https Support FTP, TFTP, Xmodem, SFTP Support SNMP V1/V2c/V3 Support RMON Support NTP
	Reliability	Support STP/RSTP/MSTP Support EAPS/MEAPS Support MRD-Ring Support ERPS Support VRRP Support BFD for OSPF Support BFD for OSPF
	VLAN	Support IEEE 802.1Q (VLAN), 4096 VLAN IDs Support GVRP Support QinQ Support VLAN based on MAC/ protocol /IP subnet / policy / port Support Private VLAN Support 1:1 and N:1 VLAN Mapping functions
	Port Mirroring	Support local and remote port mirroring Support N:4 port mirroring Support flow mirroring Support MAC mirroring
	Routing	Support Static routing, RIP, OSPF Support IPv4/IPv6 ECMP Support VRRP, VRRP v3 Support IPv4/IPv6 Policy-based routing Support IPv4/IPv6 Routing policy Support IPv4/IPv6 dual stack Support IPv6 static routing, RIPng, OSPFv3
	QoS	Support Diff-Serv QoS Support 802.1p/DSCP priority mapping Support Queue scheduling including SP, WRR, WFQ, SP+WRR, SP+WFQ Support Priority marking and remarking Support Traffic shaping Support Congestion avoidance, Tail-Drop and WRED Support 802.1p, TOS, DSCP, and EXP priority mapping Support Port/Flow- based Rate Limiting
	Multicast	Support IGMP v1/v2/v3 Snooping Support IGMP V1/V2/V3 Support MLD Snooping v1/v2 Support MLD v1/v2
	ACL	Support IP-based ACL/MAC-based ACL Support based on MAC Address, IP Address, Ethertype, Protocol Type, VLAN ID, DSCP, 802.1p Priority Support up to 256 ACLs
	Link Aggregation	Support IEEE 802.3ad LACP/static link aggregation

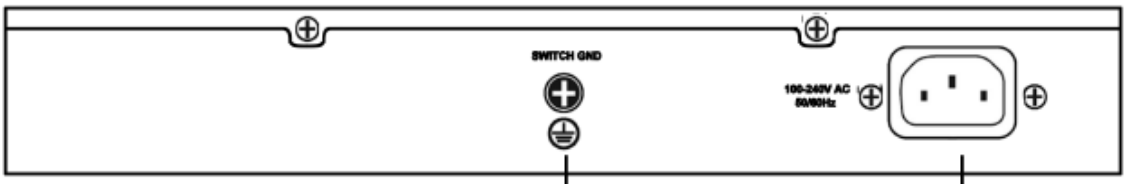
	Security	Support AAA,TACACS+ Radius Authentication Support 802.1X authentication, MAC authentication, MAC bypass authentication Support to prevent DOS, ARP attack function, ICMP anti attack Support binding of IP, MAC, port and VLAN Support MAC authentication Support MAC address filtering Support Broadcast/Multicast/Unknown-unicast Storm Control
	Shell	Iron shell, fanless design
	weight	1.2 kg (2.65 lb)
	Dimension (W × H × D)	280 mm × 44 mm × 180 mm
	Operating Temperature	-10°C to 50°C (14°F to 122°F)
	Storage Temperature	-40°C to 75°C (-40°F to 167°F)
	Operating Humidity	10% to 90% (no condensation)
	Relative Humidity	5% to 95% (no condensation)
	Power Supply	AC：100V-240V，50/60Hz
	Max. Power Consumption	140 W
	Power Consumption in Idle	10 W

Physical Interface

Front panel:



Back panel:

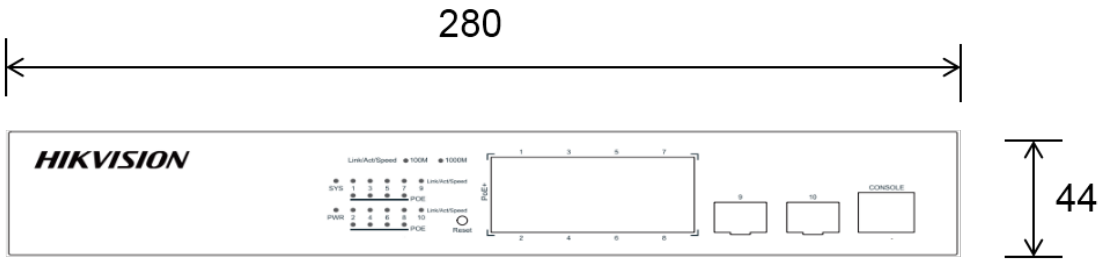


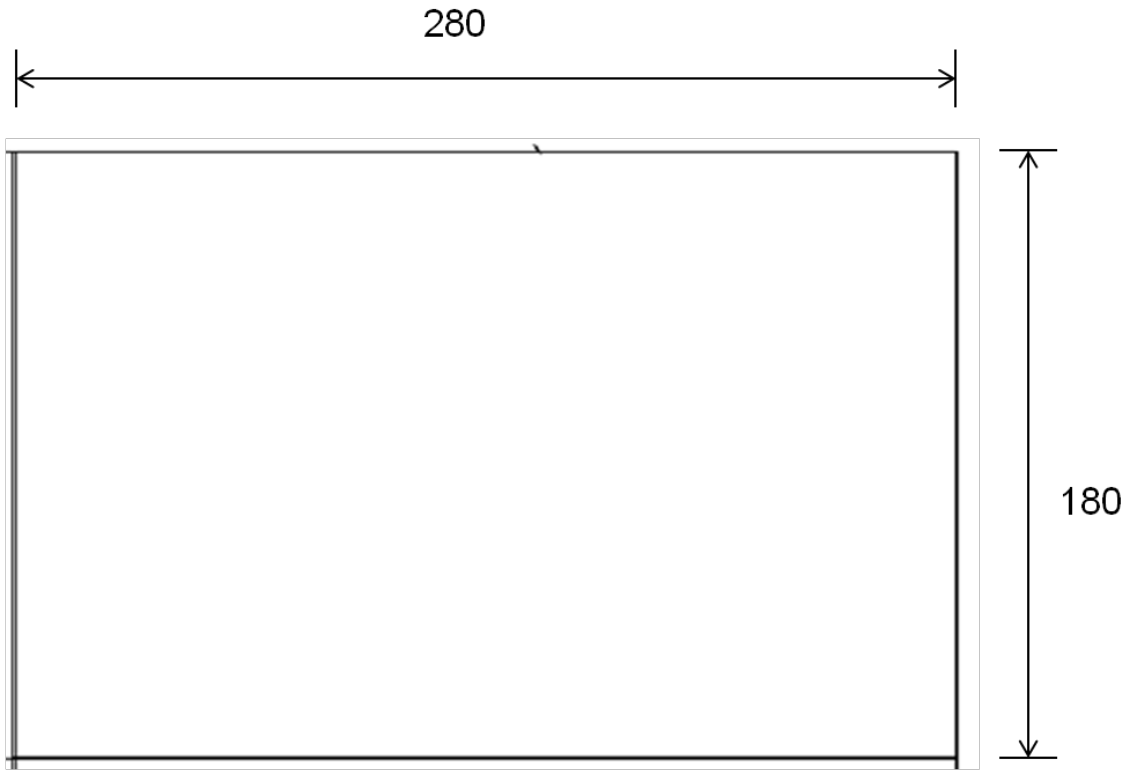
Available Model

DS-3E2510P(B)

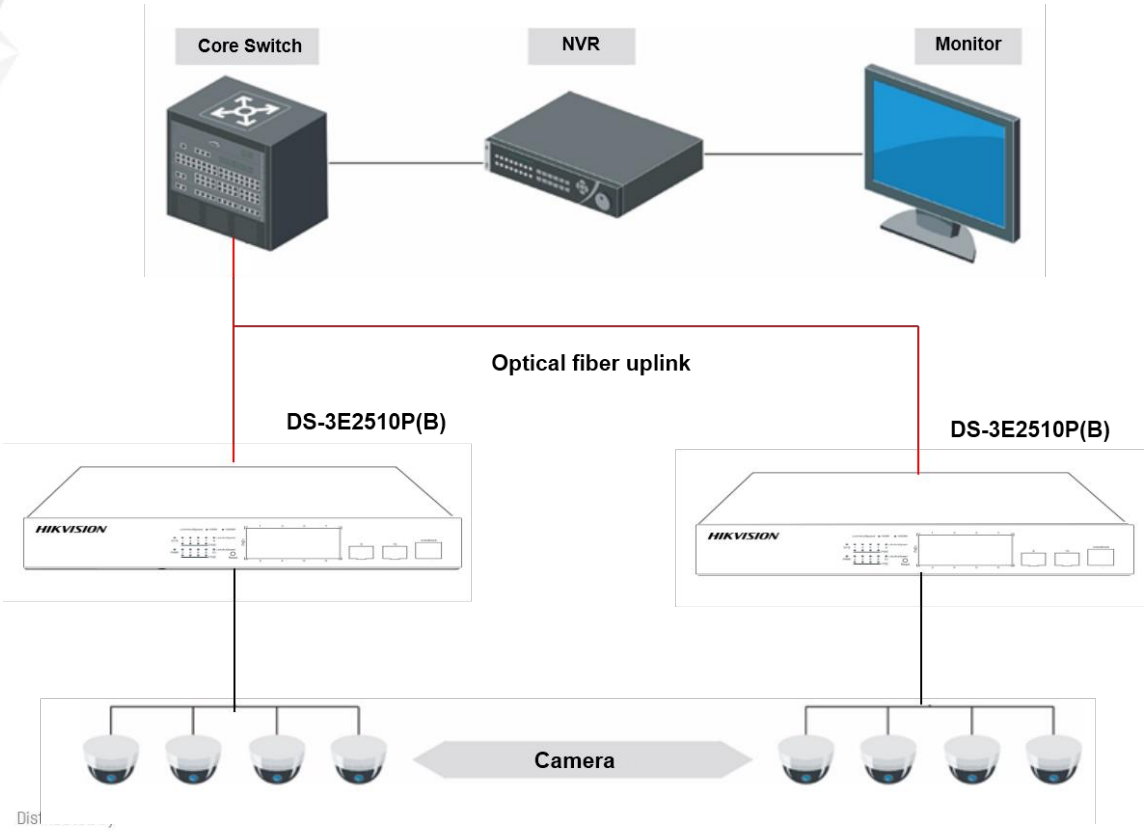
Model	Specifications
DS-3E2510P(B)	8-port Gigabit power + 2-port gigabit optical, quasi three-layer Ethernet Poe switch (1 Console port, 8 Gigabit Poe ports, 2 gigabit optical ports, standard power supply AC220V, Poe power 130W, fanless mute design, 1U height, desktop installation / 19 inch rack installation)

Dimension (Unit: mm)




280
180

Typical Application



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