

DS-3E2728P-H**24 Gigabit PoE RJ45, 4 10G SFP+, Full Managed PoE Switch**

DS-3E2728P-H is the latest development of Gigabit speed switch. This powerful and highly secure switch series is built based on industry-leading high performance hardware architecture. It supports diversified services, high capacity GE access PoE ports as well as high density 10GE uplink, which meet the requirements for high density and performance campus access.

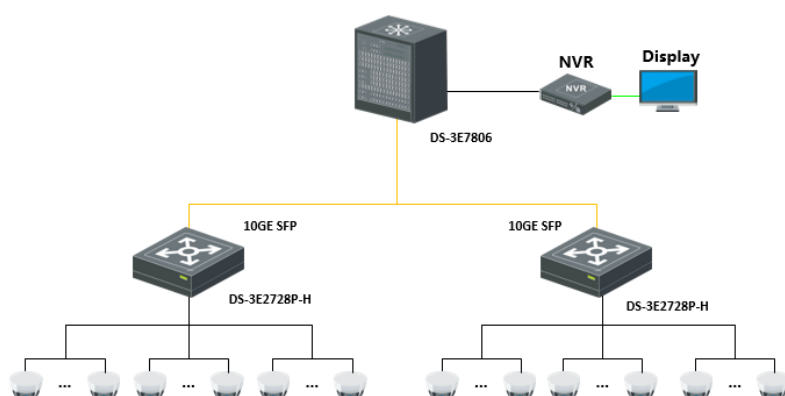
- DS-3E2700P-H series supports the combination of "Ethernet port + optical port" to meet networking requirements of various scenarios, which is convenient for users to build a flexible network. It offers 24-port access and all ports support wire speed forwarding capabilities to meet users' needs.
- The virtualization technology allows each slave device in the stack to serve as the backup of the master, creating control and data link redundancy, as well as uninterrupted layer-3 forwarding. This improves the reliability, avoids unplanned business downtime and serves to improve overall performance. When the master device fails, traffic remains uninterrupted.
- Support ARP Detection, which can prevent hackers or attackers from implementing "ARP spoofing attacks" through ARP packets. Support IP Source Guard, which can prevent illegal address spoofing including MAC spoofing, IP spoofing, MAC/IP spoofing, and DoS attacks. Support DHCP Snooping, which can prevent private DHCP servers and ensure the authenticity and consistency of the DHCP environment.
- Support speed limit on port and traffic to prevent malicious invasion of network bandwidth and provide multiple granular management tools. Support SP (Strict Priority), WRR (Weighted Round Robin), and SP+WRR queue scheduling algorithms, and support multi-priority data transmission. Support rich IPv6 services and multiple IPv6 management tools.
- Support CLI command line, Web network management, and Telnet, making device management more convenient. And support SSH2.0 and other encryption methods, making management more secure. Support remote upgrade of devices through FTP and TFTP, SNMP v1/v2c/v3
- Energy-saving design greatly reduces device power consumption and trouble spots. Radiation is reduced to reach the standard for household electrical appliances and is harmless to humans.

▪ Specification

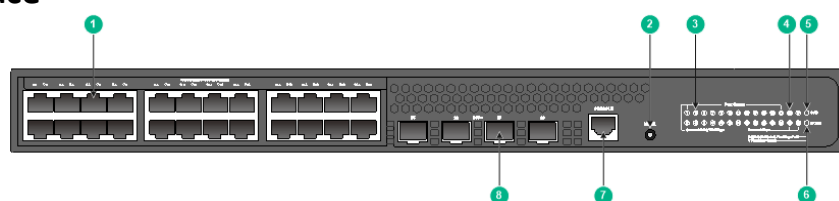
General	
Shell	Metal
Net Weight	4.5 kg (9.92 lb)
Gross Weight	4.95 kg (10.91 lb)
Dimensions (W × H × D)	440.00 mm × 43.60 mm × 260.0 mm (17.32" × 1.72" × 10.24")
Operating Temperature	-5 °C to 45 °C (23 °F to 113 °F)
Storage Temperature	-40 °C to 70 °C (-40 °F to 158 °F)
Operating Humidity	10% to 95% (no condensation)
Relative Humidity	5% to 95% (no condensation)
Power Supply	100 ~ 240 V AC, 50/60 Hz
Installation Mode	Rack (equipped with mounting ears)
Max. Power Consumption	448 W
Power Consumption in Idle	19 W
Surge Protection	6 kV
MTBF	462615.6 hours
Network Parameters	
Ports	24 × Gigabit PoE RJ45 port, 4 × 10G fiber optical port
MAC Address Table	16 K
Switching Capacity	Whole-Device Performance: 128 Gbps Port Performance: 128 Gbps
Packet Forwarding Rate	Whole-Device Performance: 96 Mpps Port Performance: 96 Mpps
ARP Table	128
IP Routing Table	1024
Jumbo Frame	10000 Bytes
Console Port	1
PoE Power Supply	
PoE Standard	IEEE 802.3af, IEEE 802.3at
PoE Power Pin	End-span: 1/2(-), 3/6(+)
PoE Port	PoE: Ports 1 to 24
Max. Port Power	30 W
PoE Power Budget	370 W
Software Function	
Port Aggregation	LACP, static aggregation/dynamic aggregation
Ethernet	LLDP Static MAC configuration Limit of number of MAC addresses to be learned (up to 16K) Port mirroring and traffic mirroring Port aggregation (up to 24 groups and 8 ports for each group) Port isolation STP/RSTP/MSTP IEEE 802.3ad (dynamic link aggregation) and static port aggregation
IP Routing	Static routing RIP/OSPF
DHCP	DHCP Client, DHCP Snooping, DHCP Relay

Multicast	Multicast VLAN, IGMPv1/v2/v3 Snooping, PIM Snooping, IPv6 multicast setting
ACL	ACL on Layer 2, Layer 3 and Layer 4 IPv4 and IPv6 ACLs VLAN ACL
Mirroring	Port mirror and flow mirror
Security	Hierarchical user management and password protection SSH for a secure encrypted channel for user login Specific IP address based FTP logging and password mechanism Prevent attacks from ARP, unknown multicast packet, broadcast packet, unknown unicast packet, TTL=1 packet, and protocol packet MAC address limit IP+MAC+PORT binding IEEE 802.1x Radius and AAA SNMPv3 Broadcast suppression
System Management	Command line configuration via console/AUX Modem/Telnet/SSH Uploading and downloading of FTP, TFTP, and Xmodem, and SFTP files SNMP V1/V2c/V3 sFlow NQA NTP clock System operating logs
IPv6	IPv6 static routing and dual-stack DHCPv6 Client and DHCPv6 Snooping ND and PMTU IPv6 Ping, IPv6 Telnet, IPv6 SSHv2, and IPv6 domain name resolution
Reliability	Hot patch, in-service patch upgrade
QoS	QoS SP/WRR/SP+WRR queue scheduling 802.1p and DSCP priority mapping Port speed limit
VLAN	802.1Q (up to 4K VLAN) Protocol-based VLAN MAC-based VLAN GUEST VLAN VLAN mapping MVRP
Stacking	Maximum stack size: 8 units
Approval	
EMC	CE-EMC (EN 55032:2015+A11: 2020, EN IEC 61000-3-2:2019, EN 61000-3-3:2013+A1: 2019, EN 50130-4:2011+A1: 2014, EN 55035:2017+A11: 2020)
Safety	CB (AMD1:2009, AMD2:2013, IEC 62368-1:2014 (Second Edition))
Chemistry	CE-RoHS (2011/65/EU), WEEE (2012/19/EU), Reach (Regulation (EC) No.1907/2006)

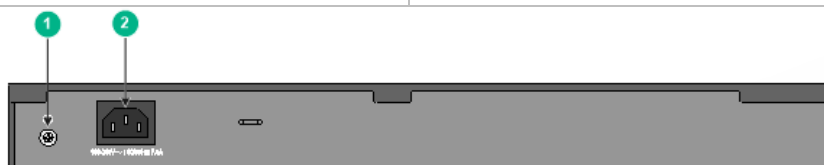
▪ Typical Application



Physical Interface



No.	Indicator/ Port
(1)	10/100/1000BASE-T autosensing Ethernet port
(2)	Mode button
(3)	10/100/1000BASE-T autosensing Ethernet port LED
(4)	SFP+ port LED
(5)	System status LED (SYS)
(6)	Mode LED (MODE)
(7)	Serial console port (CONSOLE)
(8)	SFP+ port



No.	Indicator/ Port
(1)	Grounding screw
(2)	AC-input power receptacle

Available Model

DS-3E2728P-H

Dimension



See Far, Go Further



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