

DS-3E3728P-H**Campus Core Aggregation Switch**

- Supports 24 × Gigabit PoE ports and 4 × 10 Gigabit SFP+ ports.
- Supports unique ARP intrusion detection to effectively prevent hackers or attackers from carrying out increasingly prevalent "ARP spoofing attacks" via ARP packets.
- Supports IP Source Guard to prevent illegal address spoofing, including MAC spoofing, IP spoofing, and MAC/IP spoofing, as well as DoS attacks. Additionally, leveraging the trusted port feature of DHCP Snooping effectively eliminates unauthorized DHCP servers, ensuring the authenticity and consistency of the DHCP environment.
- Supports the port security feature set, which can effectively prevent MAC address-based attacks and implement MAC address-based traffic allowance/restriction. Provides 802.1X and MAC authentication methods to authenticate accessing users. Through the application of these functions, comprehensive verification and control over the legitimacy of accessing users can be achieved.
- Supports L2 (Layer 2) to L4 (Layer 4) packet filtering and provides flow classification technology. Offers flexible queue scheduling algorithms that can be configured based on both ports and queues, supporting SP, WRR, and SP+WRR modes.
- Supports bidirectional ACLs for ingress/egress directions, traffic policing, and port/flow mirroring for both ingress and egress directions to monitor packets on specified ports for network detection and troubleshooting.
- Supports port rate limiting and flow rate limiting functions to prevent malicious occupation of network bandwidth, while also providing a means for fine-grained management of network bandwidth.
- Supports SNMPv1/v2/v3 (Simple Network Management Protocol), CLI command line, Web-based network management, and TELNET for more convenient device management. Additionally, supports encrypted methods such as SSH2.0 to enhance management security.
- Supports Energy Efficient Ethernet (EEE). If a port remains idle for a continuous period, the system will set it to energy-saving mode. When packet transmission or reception is required, the port is awakened by periodically sent listening code streams to resume services, achieving energy efficiency.
- Supports lightning protection level of 6KV.
- Supports CPU security protection strategies.

▪ Specification

Hardware Specifications	
Port	24 × Gigabit PoE port, 4 × 10 Gigabit SFP+ port
Switching Capacity	128 Gbps
Packet Forwarding Rate	95.23 Mpps
Power Supply Unit (PSU) Slots	1
Power Supply	1 modular PSU(s) in factory configuration, 1:1 redundancy backup
Fan	2 fixed fan(s)
MAC Address Capacity	32 K
Cache	16 Mbits
Dimensions (W × H × D)	440.0 mm × 43.6 mm × 400.0 mm (17.32" × 1.72" × 15.75")
Net Weight	7.5 kg (16.53 lb)
Gross Weight	7.75 kg (17.08 lb)
Memory	256M flash 1G DRAM
Operating Temperature	-5°C to 45°C (23°F to 113°F)
Operating Humidity	5% to 95% (no condensation)
Storage Temperature	-40°C to 70°C (-40°F to 158°F)
Storage Humidity	5% to 95% (no condensation)
Installation Mode	1U Rack Mounting (19" width)
Power Supply Method	AC: 90-240 V, 50/60 Hz, 4-9 A
Console Port	1 × Console Port
USB Port	1 × USB 2.0 Port
Power Consumption (Idle)	Single AC: 27 W, Dual AC: 35 W
Power Consumption (Max. Load)	Single AC: 600 W (PoE: 530 W), Dual AC: 960 W (PoE: 840 W)
Surge Protection	6 kV
Packing List	Switch × 1 AC Power Cord × 1 L-Shaped Bracket Kit × 1 Console Cable × 1 Grounding Cable × 1 Rubber Foot × 4 Quick Start Guide × 1 Regulatory Compliance and Safety Information × 1
PoE Power Supply	
PoE Standard	IEEE 802.3af, IEEE 802.3at
PoE Port	PoE: Ports 1 to 24
Max. Port Power	35 W
PoE Power Budget	Single AC: 530W Dual AC: 840W
PoE Power Pin	End-span: 1/2(+), 3/6(-)
PoE Compatibility Mode	Supported

Service Features	
Link Aggregation	Supports static aggregation. Supports dynamic aggregation via LACP. Supports cross-device aggregation (MLAG). Supports Link aggregation(IEEE 802.3ad).
Auto-Negotiation	10 Gigabit SFP+ ports 25 to 28: 10G/1G rate adaptation
VLAN	Supports VLAN(IEEE 802.1q). Supports 4K VLANs. Supports port-based VLAN. Supports IP subnet-based VLAN. Supports protocol-based VLAN. Supports protocol-based VLAN. Supports Voice VLAN. Supports Private VLAN (PVLAN). Supports MVRP/GVRP. Supports QinQ. Supports flexible QinQ. Supports VLAN mapping. Supports Super VLAN.
Multicast	Supports IGMP v1/v2/v3 Snooping Supports MLD Snooping Supports Multicast VLAN Supports PIM-SM Supports PIM-DM Supports MSDP Supports Bidirectional PIM
STP	Supports STP(IEEE 802.1d). Supports RSTP(IEEE 802.1w). Supports MSTP(IEEE 802.1s).
ERPS	Supports G.8032 ERPS.
RRPP	Supported
Private Loop Detection	Supported
Storm Control	Supported
Traffic Suppression	Supported
Mirroring	Supports local port mirroring. Supports remote port mirroring. Supports N:1 port mirroring. Supports flow mirroring.
IPv4 Service	Supports Ping. Supports Telnet. Supports FTP. Supports TFTP. Supports Traceroute. Supports DNS. Supports ARP. Supports ARP Proxy.

IPv4 Routing	- Supports static routing. - Supports OSPFv2. - Supports RIPv1/v2. - Supports BGP. - Supports IS-IS. - Supports equal-cost multi-path (ECMP) routing. - Supports policy-based routing (PBR). - Supports VRRP. - Supports BFD.
IPv6 Service	- Supports IPv4/IPv6 dual stack. - Supports Ping6. - Supports Telnet6. - Supports FTP6. - Supports TFTP6. - Supports Traceroute6. - Supports Neighbor Discovery (ND). - Supports Path MTU (PMTU) Discovery. - Supports IPv6 tunneling. - Supports GRE, 6to4, and 4to6 tunneling. - Supports IPv6 Router Advertisement. - Supports DNSv6. - Supports ICMPv6.
IPv6 Routing	- Supports IPv6 static routing. - Supports OSPFv3. - Supports BGP4+. - Supports IS-IS for IPv6. - Supports RIPng. - Supports policy-based routing (PBR). - Supports VRRP for IPv6. - Supports BFD for IPv6.
DHCP	- Supports DHCP Client. - Supports DHCP Snooping. - Supports DHCP Snooping Option 82/DHCP Relay Option 82. - Supports DHCP Relay. - Supports DHCP Server. - Supports DHCPv6 Client. - Supports DHCPv6 Snooping. - Supports DHCPv6 Relay. - Supports DHCPv6 Server.
Cable Detection	- Supports virtual cable test (VCT). - Supports device link detection protocol (DLDP).
Virtualization	- Supports distributed device management, distributed link aggregation, and distributed resilient routing. - Supports stacking via standard Ethernet interfaces and other methods. - Supports local stacking. - Supports remote stacking. - Supports stacking of up to 8 devices.

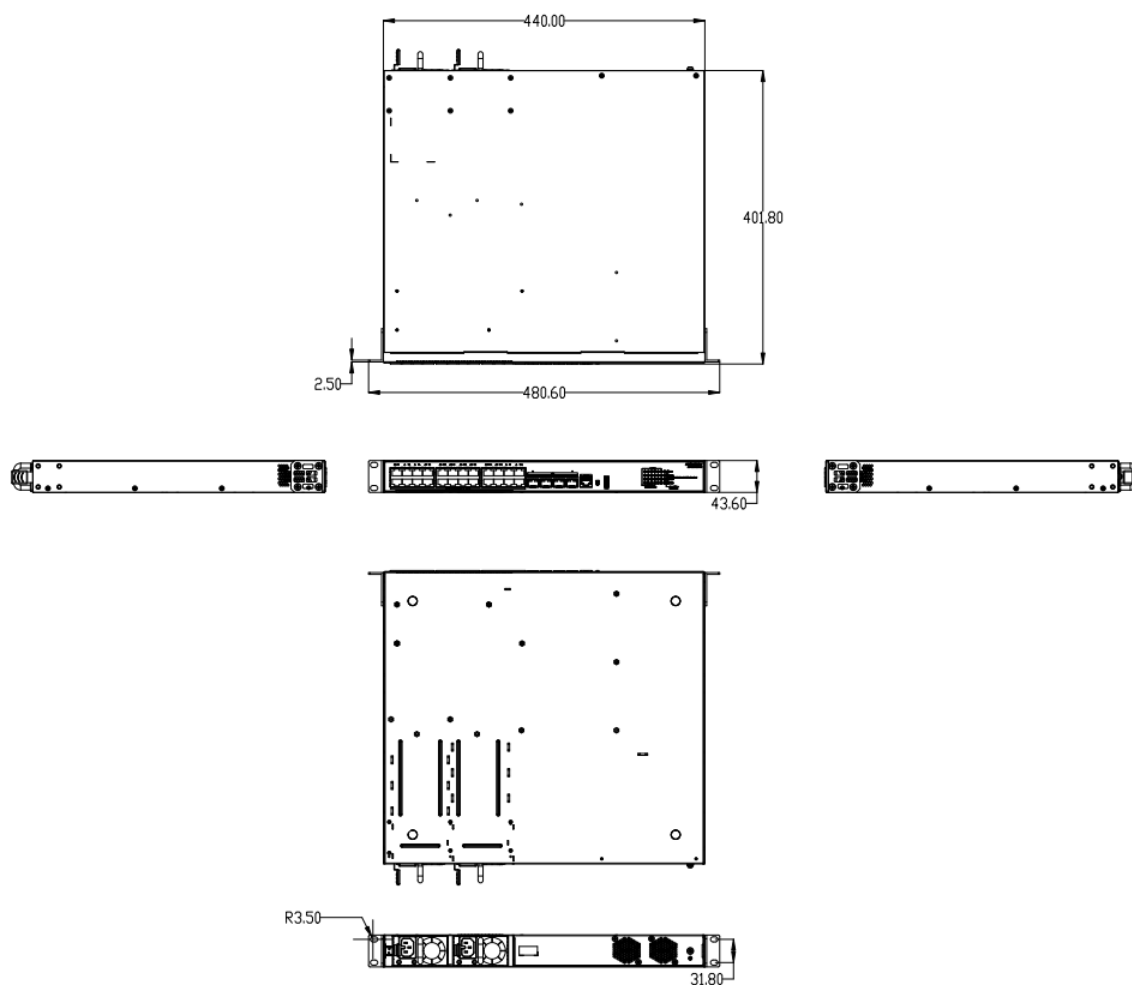
EAA	Supported
VXLAN	Supports VXLAN Layer 2 switching. Supports VXLAN Layer 3 routing. Supports centralized VXLAN gateway and distributed Anycast gateway. Supports BGP EVPN. Supports OpenFlow+NETCONF centralized control plane with automated deployment.
Dynamic VLAN	Supports dynamic VLAN assignment during authentication.
802.1X Authentication	Supported
MAC Authentication	Supported
Portal Authentication	Supported
RADIUS	Supports RADIUS authentication.
TACACS+	Supports TACACS+ authentication.
ACL	Supports L2 to L4 packet filtering. Supports ACL definitions based on source/destination MAC address, source/destination IP address (IPv4/IPv6), IP protocol type, TCP/UDP port number or port range, VLAN ID, etc. Supports Time Range-based ACLs. Supports ACL application globally, on ports, or to VLANs. Supports Basic ACL, Advanced ACL, and MAC ACL configurations. Supports Expert ACLs. Supports inbound, outbound, and VLAN-based ACLs.
QoS	Supports 802.1p/DSCP priority mapping. Supports queue scheduling mechanisms including SP, WRR, WFQ, SP+WRR, and SP+WFQ. Supports traffic shaping. Supports WRED. Supports priority marking and remarking. Supports flow-based packet filtering. Supports flow-based traffic statistics. Supports flow-based redirection. Supports flow-based rate limiting. Supports 8 queues per port.
Security	Supports DoS attack protection. Supports CPU protection. Supports IP Source Guard (IPv4/IPv6). Supports port isolation. Supports HTTPS. Supports ARP detection. Supports ARP source suppression. Supports ARP attack protection. Supports ND snooping. Supports IP-MAC binding. Supports port security. Supports MACsec.
LLDP	Supports LLDP. Supports CDP.

Operation Management	
Topology Display	Supported
Status Alarm	Supported
SSH	Support SSHv2.
Telnet	Supported
SNMP	Supports SNMPv1. Supports SNMPv2c. Supports SNMPv3.
Clock Management	Supports NTP.
RMON	Supported
Flow Control	support IEEE 802.3x Flow Control
sFlow	Supported
FTP	Supported
TFTP	Supported
Log	Supports system logs.
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 (IEC 62368-1: 2023, CE-LVD (EN 62368-1: 2024+A11: 2024)
Chemistry	Reach (Regulation (EC) No.1907/2006),WEEE (2012/19/EU),CE-RoHS (2011/65/EU)

▪ Available Product

Product Model	Product Description	Compatible Chassis	Installable Slot
DS-3E3700P-PWR600A-H	DS-3E3700 AC power supply module, 600W, used in power module slots	DS-3E3700P	PWR 1 to 2

▪ Dimension



- Accessory
- Included

**DS-3E3700P-
PWR600A-H**



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