

## DS-3E2528 28 Port Gigabit Full Managed Switch



- DS-3E2528 supports the telecom-level Ethernet-ring protection protocol with a protection shift time of less than 50ms, STP/RSTP, backup of active and standby uplinks, and LACP link aggregation to cater to the requirements of high reliability of carriers;
- DS-3E2528 has powerful ACL functions to access and control L2-L7 data, providing carriers flexible and various policy control methods;
- DS-3E2528 supports In-Service Software Upgrade (ISSU) to ensure the unremitting data forwarding during system upgrade;
- DS-3E2528 supports various L2 multicast functions such as IGMP-snooping, user fast-leave mechanism and trans-vlan multicast copy;
- DS-3E2528 supports priority retagging and complicated flow classification based on VLAN, MAC, source address, destination address, IP or priority to better streamline carrier's services;
- DS-3E2528 provides flexible bandwidth control policies, supporting port-/flow-based flow limit, and ensuring the line speed forwarding of each port to make sure the high quality of network services;
- DS-3E2528 supports multiple queue schedule algorithms such as SP, WRR, or "SP plus WRR";
- Equipment-level security: The advanced hardware infrastructure design realizes the level-based packet schedule and packet protection, prevents DoS-/TCP-related SYN Flood, UDP Flood, Broadcast Storm or large traffic attacks, and supports level-based command line protection, endowing different levels of users with different management permissions;
- Perfect security authentication mechanisms: IEEE 802.1x, Radius and BDTacacs+;
- DS-3E2528 supports storm/multicast/unicast limit which ensures the normal running of equipment in harsh network conditions;
- DS-3E2528 supports perfect ring detection mechanism which ensures the long-term stable running of network;
- DS-3E2528 supports port isolation within the same VLAN, DHCP-Snooping, and IP plus MAC plus Port binding for ensuring user data security;
- DS-3E2528 supports many management modes such as the console port, Telnet, SSH;
- DS-3E2528 supports the WEB management mode, which is easy and efficient so that it makes installation and debugging convenient;
- DS-3E2528 supports TFTP-patterned file upload/download management;

## ▪ Specification

General	
Net Weight	2.68 kg (5.91 lb)
Gross Weight	3.6 kg (7.94 lb)
Dimensions (W × H × D)	440.00 mm × 45.00 mm × 230.00 mm (17.32" × 1.77" × 9.06")
Operating Temperature	0 °C to 45 °C (32 °F to 113 °F)
Operating Humidity	5% to 95% (no condensation)
Power Supply	100-240 VAC, 50 Hz ± 10%
Power Consumption	< 15W
Network Parameters	
MAC Address Table	8 K
Ports	24 × 1 Gigabit RJ45 port, 4 × 1 Gigabit fiber optical port
Switching Capacity	Whole-Device Performance: 336 Gbps Port Performance: 336 Gbps
Packet Forwarding Rate	Whole-Device Performance: 51 Mpps Port Performance: 51 Mpps
Software Function	
VLAN	4K VLAN, GVRP, QinQ, Private VLAN
QoS	Flow classification based on L2 to L4 protocols CAR flow limit 802.1P/DSCP priority re-labeling SP, WRR, and "SP+WRR" Congestion avoidance mechanisms like Tail-Drop and WRED Flow monitoring and flow shaping
Multicast	IGMP v1/v2/v3 IGMP snooping IGMP Fast Leave Multicast group strategy and quantity limitation
Management Method	Console, Telnet, SSH2.0, Web SNMP v1/v2/v3 TFTP RMON
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
Approval	
EMC	FCC (ANSI C63.4, 47 CFR PART 15B); CE-EMC/RCM (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); IC (ICES-003: Issue 22)
Safety	UL (UL 62368-1); CB/RCM (IEC 62368-1:2014); CE-LVD (EN 62368-1:2014+A11:2032)
Chemistry	CE-RoHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2021)





▪ **Available Model**

DS-3E2528

DS-3E2528(B)

▪ **Accessory**

▪ **Optional**

HK-SFP-1.25G-1310 -DF-MM	HK-SFP-1.25G-20-1 550	HK-SFP-1.25G-20-1 310-DF	HK-SFP-1.25G-20-1 310
			

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