

Managed PoE+ Switch DES-46S4MG

24*10/100/1000M RJ45 ports+4*1000M combo ports Managed PoE Switch

PoE port support AF/AT intelligent recognition, Standard power is 15.4W/port

Support QOS,STP/RSTP,IGMP,DHCP,SNMP,WEB,VLAN,ERPS etc



**ELEVATE YOUR CONNECTIVITY WITH
OUR LATEST NETWORK SWITCHES**



DATASHEET

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Fixed Port	24*10/100/1000Base-T/TX PoE ports (Data/Power) 4*combo ports (Data) 1 * RS232 console port (115200, N,8,1)
Ethernet Port	10/100/1000Base-T(X), Auto-Detection, Full/half duplex MDI/MDI-X self-adaption
Twisted Pair Transmission	10BASE-T: Cat3,4,5 UTP (≤100 meter) 100BASE-TX: Cat5 or later UTP (≤100 meter) 1000BASE-T: Cat5e or later UTP (≤100 meter)
SFP Slot Port	Gigabit SFP optical fiber interface, default matching optical modules (optional order single-mode / multi-mode, single fiber / dual fiber optical module. LC)
Optical Cable	Multi-mode: 850nm 0 ~ 550M, single mode: 1310nm 0 ~ 40KM, 1550nm 0 ~ 120KM.
Network Management Type	L2+
Network Protocol	IEEE802.3 10BASE-T; IEEE802.3i 10Base-T; IEEE802.3u 100Base-TX; IEEE802.3ab 1000Base-T; IEEE802.3z 1000base-X; IEEE802.3x.
Forwarding Mode	Store and Forward
Switching Capacity	56Gbps (Non-blocking)
Forwarding Rate	26.78Mpps
MAC	8K
Buffer Memory	6M
Jumbo Frame	9.6K
LED Indicator	Power indicator: PWR (Green); Network indicator: 1-24(Link/Act)/ (Orange),25-28(Link/Act)/ (Green); POE indicator: PoE (Green) SYS:(Green)
Reset Switch	Yes, One-button factory reset
PoE Port	Port 1 to 24, IEEE802.3af/at @ POE
PoE Management	Total power limit of PoE power supply PoE output power allocation, off& af &at PoE output priority configuration PoE working status Delay start of power supply Scheduling of PoE operation and time
Power Supply Pin	Default 1/2 (+), 3/6 (-)
Max Power Per Port	30W; IEEE802.3af/at
Total PWR / Input Voltage	400W (AC100-220V)

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Power Consumption	Standby<8W, Full Load<400W	Standby<8W, Full Load<400W
Power Supply	Built-in power supply, AC 100~220V 50-60Hz	Built-in power supply, AC 100~220V 50-60Hz
Operation TEMP / Humidity	-20~+65°C, 5%~90% RH Non condensing	
Storage TEMP / Humidity	-40~+75°C, 5%~95% RH Non condensing	
Dimension (L*W*H)	440*290*44.5mm	
Net /Gross Weight	<4.5kg / <5kg	<4.9kg / <5.5kg
Installation	Desktop, 19-inch 1U cabinet	
Protection	IEC61000-4-2(ESD): ±8kV contact discharge, ±15kV air discharge IEC61000-4-5(Lightning protection/ Surge): Power:CM±4kV/DM±2kV; Port: ±4kV	
Protection Level	IP30	
Certification	CCC, CE mark, commercial; CE/LVD EN60950; FCC Part 15 Class B; RoHS	
Warranty	3 years, lifelong maintenance.	
Interface	IEEE802.3X (Full-duplex) Port temperature protection setting Port green Ethernet Energy-saving setting Broadcast storm control based on port speed The speed limit of the message flow in the access port. The minimum particle size is 64Kbps.	
Layer 3 Features	L2+ network management, IPV4/IPV6 management L3 soft routing forwarding, Static route, Default route @ 128 pcs, APR @ 1024 pcs	
VLAN	4K VLAN based on port, IEEE802.1q VLAN based on the protocol VLAN based on MAC Voice VLAN, QinQ configuration Port configuration of Access, Trunk, Hybrid	
Port Aggregation	LACP, Static aggregation Max 9 aggregation groups and 8 ports per group.	
Spanning Tree	STP (IEEE802.1d), RSTP (IEEE802.1w), MSTP (IEEE802.1s)	
Industrial Ring Network Protocol	G.8032 (ERPS), Recovery time less than 20ms 250 Ring at most, Max 254 devices per ring.	
Multicast	MLD Snooping v1/v2, Multicast VLAN IGMP Snooping v1/v2, Max 250 multicast groups, Fast log out	

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Port Mirroring	Bidirectional data mirroring based on port
QoS	Flow-based Rate Limiting Flow-based Packet Filtering 8*Output queues of each port 802.1p/DSCP priority mapping Diff-Serv QoS, Priority Mark/Remark Queue Scheduling Algorithm (SP, WRR, SP+WRR)
ACL	Port-based Issuing ACL, ACL based on port and VLAN L2 to L4 packet filtering, matching first 80 bytes message. Provide ACL based on MAC, Destination MAC address, IP Source, Destination IP, IP Protocol Type, TCP/UDP Port, TCP/UDP Port Range, and VLAN, etc.
Security	IP-MAC-VLAN-Port binding ARP inspection, Anti-DoS attack AAA & RADIUS, MAC learning limit Mac black holes, IP source protection IEEE802.1X & MAC address authentication Broadcast storm control, Backup for host datum SSH 2.0, SSL, Port isolation, ARP message speed limit User hierarchical management and password protection
DHCP	DHCP Client, DHCP Snooping, DHCP Server, DHCP Relay
Management	One-key recovery Cable Diagnose, LLDP Web Management (HTTPS) NTP, System work log, Ping Test CPU instant utilization status view Console/AUX Modem/Telnet/SSH2.0 CLI Download & Management on FTP, TFTP, Xmodem, SFTP, SNMP V1/V2C/V3 NMS – smart network management system platform (LLDP+SNMP)
System	Category 5 Ethernet network cable Web browser: Mozilla Firefox 2.5 or higher, Google browser chrome V42 or higher, Microsoft Internet Explorer10 or later; TCP/IP, network adapter, and network operating system (such as Microsoft Windows, Linux, or Mac OS X) installed on each computer in a network