TP-LINK®

26-port Gigabit Managed Switch
TL-SG5426

- *ACL, 802.1x, IP Source Guard, SSL/HTTPS provides reliable security strategy*
- *IP Clustering supports Virtual Stack*
- *Granular QoS Options optimize voice and video application*
- *SNMP, RMON, WEB/CLI/Telnet Log-in bring redundant management policies with a user-friendly interface*

Discription：

- **Reliable Security Strategy**
  Access Control Lists (ACLs) will restrict access to sensitive network resources by denying packets based on source and destination MAC addresses, IP addresses, TCP/UDP ports. This is done by hardware, so switching performance is not compromised.
  Moreover, TL-SG5426 is able to secure the network through professional tools such as DHCP Snooping, IP Source Guard, IEEE 802.1Q VLANs, Private VLAN and so on.

- **IP Clustering Stackable**
  With IP Clustering feature, TL-SG5426 allows a set of switches to be managed by a single IP, regardless of geographical locations. Traffic running across units in this virtual stack utilize full-duplex interfaces and network wires, eliminating costly and cumbersome cables and minimizing the impact of any single point of failure

- **Optimized Voice and Video Applications**
  Integrating voice, data and video on the same network is common for business now. TL-SG5426 from TP-LINK will fix this problem with its granular QoS options including 4 priority queues per port, traffic classification based on DSCP/802.1p/TCP or UDP port number and per port rate limiting. So the administrator can designate the priority of the traffic based on a variety of means including IP or MAC address ensuring voice and video application clear, smooth and jitter free.

- **Abundant Management Policies/Easy-to-Use Management Interface**
  TL-SG5426 supports SNMP v1/v2/v3, so traps can be set on abnormal events and information can be polled to maximize the productivity of the network. Other standard management features such as RMON, Web-based graphic interface, and industry-standard Command Line Interface (CLI) are also provided, allowing you to flexibly integrate and manage these devices in your network.

Features：

High Speed and Compatibility Switch
+ 24 10/100/1000 Base-T ports, 4 Combo SFP Slots, Plus 2 10/100/1000 Uplink Ports

Security:
+ SSL/HTTPS
+ RADIUS/TACACS+
+ L2/3/4 Access Control List
+ Private VLANs
+ IP Source Guard
+ DHCP Snooping

Network Management:
+ SNMPv1/v2c/v3 Support
+ RMON
+ Web GUI or CLI
+ Port Mirroring
+ IP Assignment

Advanced Enterprise Features:
+ IP Clustering Stackable
+ Dual Firmware Images
+ L2/L3/L4 QoS
+ 802.1x
+ 802.1Q VLANs
+ Multicast Filtering: IGMP Snooping and MVR
+ 802.3ad Link Aggregation
+ 802.1w Rapid Spanning Tree
+ 802.1s Multiple Spanning group

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Specifications：

Product specifications	
TL-SG5426	26-port Gigabit Managed Switch
MAC Address Table	8K
Switching Capability	52Gbps
Buffer Size	4Mb
SDRAM	64MB
FLASH	16MB
Port Configuration	24 10/100/1000 Base-T Ports
	4 Combo SFP Ports
	2 10/100/1000Base-T Uplinks Ports
	1 Male DB9 RS-232C Console Port
Cable Type	UTP CAT 5e or Better for 1000BASE-T
	RS-232 DB9 Male Console Cord
Network Protocols and Standards	
IEEE	IEEE 802.3 10BASE-T
	IEEE 802.3u 100BASE-TX and 100BASE-FX
	IEEE 802.3ad Provide Link Aggregation
	IEEE 802.3x Flow Control Support
	IEEE 802.1D Spanning Tree Bridge
	IEEE 802.1s Multiple Spanning Tree
	IEEE 802.1w Rapid Spanning Tree
	IEEE 802.1Q (Virtual LAN)
	IEEE 802.1x, Port-based Network Access Control
IETF	RFC 1517 for Network Management Applications(SNMP)
	RFC1215 for Traps
	RFC 1757 for RMON
Security	
User/Password Protected System Management Terminal	SNMP, Telnet, Web
IP Security	Support DHCP Snooping, IP Source Guard
Access Control List	L2/L3/L4 ACL, size: 96MAC, 96IPv4
Static Port Security	MAC based port security
Remote access security	Supports SSH v2, HTTPS/SSL
IEEE 802.1x	RADIUS and TACACS+ Authentication (Port-based)
MAC-based Filtering	1k

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Management and Maintenance	
In and out of band management	Telnet, SLIP, Web-based HTTP, SNMP v1/v2c/v3, Port Mirroring, RMON (group 1, 2, 3, 9), HTTPS/SSL, SSH v2
	CLI, Xmodem
IP Clustering	Allows Up To 32 Units To Be Managed From A Single IP Address
Support TFTP Management	Dual Firmware Images
	Supports Two Or More Configuration Files
IP Assignment	Static IP Assignment
	BOOTP and DHCP For IP Address Assignment
MIBs	MIB II (RFC 1213), Bridging MIB (RFC 1493), Ethernet-Like MIB (RFC 2665), Bridge MIB Extensions (RFC 2764),
	RMON MIB (RFC1757), RFC 2737, RFC 2742, RFC 2021, RFC2863, RFC 2618, TP-LINK's private MIB

Quality of Service	
Priority	4 Priority Queues Per Port
Priority Queue Scheduling	Strict Priority, WRR
L2/L3/L4 Traffic	IEEE 802.1p (COS)
Classification/ Priority	DSCP/TOS
Management	TCP/UDP Port Number
Bandwidth Management	Per Port, from 1Mbps to 1Gbps, granularity: 1Mbps

Switching Features	
Flow Control	IEEE 802.3x For Full Duplex Mode
	Back Pressure Flow Control Half Duplex Mode
Spanning Tree	IEEE 802.1D Spanning Tree
	IEEE 802.1s Multiple Spanning Tree
	IEEE 802.1w Rapid Spanning Tree
Storm Control	Broadcast/Multicast
VLAN	IEEE 802.1Q VLAN
	255 VLAN groups
	Port-based VLAN
	Supports 256 Active VLAN
	Support GVRP
	802.1v (Protocol based Vlans)
	Support Q in Q
	Support Private VLAN Edge
Multicast Filtering	IGMP Snooping V1/V2
	Multicast VLAN Registration
Jumbo Frame	9K
Link Aggregation	Support IEEE 802.3ad
	Manual Trunk
	Multi-Link Trunk (LACP)
	Up To 8 Aggregation Groups Are Supported, and Up To 8 Ports Per Group

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Electrical & Emissions Summary	
Compliance	CE Mark; FCC Class A
Power	100-240VAC 50-60 Hz 1.5A
	Consumption 38W.
Safety	CSA/CUS (CSA 22.2. NO 60950-1 & UL60950-1)
	UL / CUL (UL 60950-1, CSA 22.2 NO60950-1)
	CB (IEC60950-1)

Physical Specifications		
Dimensions(W x D x H)	17.32*9.06*1.73in.(440*230*44 mm)	
Temperature	Operating	0℃ ~ 40℃ (32°F ~ 104°F)
	Storage	-40℃ ~ 70℃ (-40°F ~ 158°F)
Humidity	Operating	10%~90% Non-Condensing
	Storage	5% to 90% RH, Non-Condensing

Topology Diagram:

Internet

100Mbps
1000Mbps

TL-SG5426
Managed Gigabit Switch

TL-SG2224WEB / TL-SG2248WEB
TL-SG1024 / TL-SG1048

TG-3269

TG-3201 / TG-3269

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TG-3201 / TG-3269

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