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JetStream T2600G Series L2 Managed Switches Datasheet

MODELS: T2600G-28TS/T2600G-52TS
(TL-SG3424/TL-SG3452)

Overview

The T2600G series provide high performance, powerful L2 and L2+ features like static routing, enterprise-level QoS and other advanced security strategies. The IP-MAC-Port Binding and Access Control List (ACL) functions protect against broadcast storm, ARP and Denial-of-Service (DoS) attacks, etc. Quality of Service (QoS, L2 to L4) provides enhanced traffic management capabilities to move your data smoother and faster. Moreover, the easy-to-use web management interfaces, along with CLI, SNMP, RMON and Dual Image mean faster setup and configuration with less downtime. For workgroup and departments requiring cost-sensitive L2 Switch and gigabit capability, TP-Link JetStream L2 managed Switches T2600G series provide you the ideal network solution.

Secure Networking

The T2600G series provide IP-MAC-Port Binding, Port Security, Storm control and DHCP Snooping which protect against broadcast storms, ARP attacks, etc. It integrates some typical DoS attacks to select. You can protect these attacks more easily ever than before. In addition, the Access Control Lists (ACL, L2 to L4) feature restricts access to sensitive network resources by denying packets based on source and destination MAC address, IP address, TCP/UDP ports and even VLAN ID. Moreover, the switch supports 802.1X authentication, which is used in conjunction with a RADIUS server to require some authentication information before access to the network is allowed. Guest VLAN function supports to enable the non-802.1X clients to access the specific network resource.

Advanced QoS features

To integrate voice, data and video service on one traffic based on a variety of means including IP or MAC address, TCP or UDP port number, etc, to ensure that voice and video are always clear, smooth and jitter free. In conjunction with the Voice VLAN the switch supporting, the voice applications will operate with much smoother performance.

Abundant L2 and L2+ features

The T2600G series support a complete lineup of L2 features, including 802.1Q tag VLAN, Port Mirroring, STP/RSTP/MSTP, Link Aggregation Control Protocol and 802.3x Flow Control function. Any more, the switch provides advanced features for network maintenance. Such as Loop Back Detection, Cable Diagnostics and IGMP Snooping. IGMP snooping ensures the switch intelligently forward the multicast stream only to the appropriate subscribers while IGMP throttling & filtering restrict each subscriber on a port level to prevent unauthorized multicast access. Moreover, T2600G series supports L2+ feature -static routing, which is a simple way to provide segmentation of the network with internal routing through the switch and helps network traffic for more efficient use.

IPv6 Support

The T2600G series support various IPv6 functions such as Dual IPv4/IPv6 Stack, MLD Snooping, IPv6 ACL, DHCPv6 Snooping, IPv6 Interface, Path Maximum Transmission Unit (PMTU) Discovery and IPv6 Neighbor Discovery, which guarantees your network is ready for the Next Generation Network (NGN) without upgrading your network equipment.

OAM

The T2600G series provide 802.3ah OAM and Device Link Detection Protocol (DLDP) functions improving monitor and troubleshoot Ethernet networks, help facilitate network management.

Enterprise Level Management Features

TP-Link's new T1700 Series Smart Switches are easy to use and manage. It supports various user-friendly standard management features, such as intuitive web-based Graphical User Interface (GUI), industry-standard Command Line Interface (CLI), SNMP (v1/2/3), and RMON. This allows the switch to provide valuable status information and send reports on abnormal events. Comprehensive IPv6 support management ensures a smooth migration to an IPv6-based network. It also supports Dual Image to provide improved reliability and network uptime.

Specifications

Hardware Features & Performance

Product Picture			
Model		T2600G-28TS	T2600G-52TS
General	Interfaces	24 10/100/1000Mbps RJ45 4 1000Mbps SFP	48 10/100/1000Mbps RJ45 4 1000Mbps SFP
	Console Port	1 RJ45 Console Port 1 Micro-USB Console Port	1 RJ45 Console Port 1 Micro-USB Console Port
Performance	Switching Capacity	56Gbps	104Gbps
	Forwarding Rate	41.7Mpps	77.4Mpps
	MAC Address Table	16K	
	Packet Buffer Memory	1.5MB	
	Jumbo Frame	9216 Bytes	
Physical & Environment	Power Supply	100-240V AC, 50/60Hz	
	Maximum Power Consumption	19.15W(220V/50HZ)	33.52W(220V/50Hz)
	Dimensions (W × D × H)	17.32 * 8.7 * 1.73 in. (440 * 220 * 44 mm)	17.32 * 8.7 * 1.73 in. (440 * 220 * 44 mm)
	Weight	3.9kg	4.5kg
	Fan Quantity	Fanless	
	Operating Temperature	0°C~40°C (32°F~104°F)	
	Storage Temperature	-40°C~70°C (-40°F~158°F)	
	Operating Humidity	10% ~ 90%RH, non-condensing	
	Storage Humidity	5%~90%RH, non-condensing	
	Certification	CE, FCC	

Software Features

L2 Features	• Link Aggregation - static link aggregation - 802.3ad LACP - Up to 8 aggregation groups, containing 8 ports per group • Spanning Tree Protocol - 802.1D STP - 802.1w RSTP - 802.1s MSTP - STP Security: Loop back detection, TC Protect, BPDU Filter/Protect, Root Protect	• Loopback Detection • Flow Control - 802.3x Flow Control - HOL Blocking Prevention • Port Mirroring - One-to-One - Many-to-One - Flow-Based - Tx/Rx/Both
L2 Multicast	• Supports 1000(IPv4,IPv6) IGMP groups • IGMP Snooping - IGMP v1/v2/v3 Snooping - IGMP Fast Leave - Multicast VLAN - IGMP Snooping Querier - IGMP Authentication - Limited IP Multicast(256 proles and 16 entries per prole) - Static Multicast	• MLD Snooping - MLD v1/v2 Snooping - MLD Snooping Querier - Fast Leave - Limited IP Multicast(256 proles and 16 entries per prole) - Static Multicast
L3 Features	• 16 IP Interfaces - supports ipv4 interface - supports ipv6 interface	• Proxy ARP • Static Routing - 48 static routes
VLAN	• VLAN Group - Max. 4K VLAN Groups • 802.1Q Tagged VLAN • MAC VLAN - 256 Groups • Protocol VLAN	• Private VLAN • GVRP • VLAN VPN(QinQ) - Port-Based QinQ - Selective QinQ • Voice VLAN
QoS	• 802.1p CoS/DSCP priority • 8 priority queues • Queue scheduling - SP(Strict Priority) - WRR(Weighted Round Robin) - SP+WRR • Bandwidth Control - Port/Flow based Rating Limiting	• Smoother Performance • Actions for ows - Mirror(to supported interface) - Redirect(to supported interface) - Rate Limit - QoS Remark
ACL	• Supports up to 300 entries(up to 600 by Access Template) • Time-based ACL • MAC ACL - Source MAC - Destination MAC - VLAN ID - User Priority - EtherType • Combined ACL - Source MAC - Destination MAC - VLAN ID - EtherType	• Standard IP ACL - Source IP - Destination IP • Extended IP ACL - Source IP - Destination IP - Fragment - IP Protocol - TCP Flag - TCP/UDP Port - DSCP/IP TOS - User Priority - Source IP - Destination IP • IPv6 ACL • ACL apply to Port/VLAN

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Software Features

Security	• IP-MAC-Port Binding
	• DoS Defend
	• Dynamic ARP Inspection
	• IP Source Guard
	• Static/Dynamic Port Security
	  - Up to 64 MAC addresses per port
	• Broadcast/Multicast/Unicast Storm Control
	  - kbps/ratio/pps control mode
	• 802.1X
	  - Port based authentication
	  - MAC(Host) based authentication
		- Guest VLAN
		  - Support Radius authentication and
		  accountability
		• AAA*(including TACACS+)
		• Port Isolation
		• Secure web management through HTTPS with
		  SSLv3/TLS1.0
		• Secure Command Line Interface(CLI)
		  management with SSHv1/SSHv2
		• IP/Port/MAC based access control

OAM	• 802.3ah Ethernet Link OAM	• Device Link Detect Protocol(DLDP)
Management	• Web-based GUI • Command Line Interface(CLI) through console port, telnet • SNMPv1/v2c/v3 • SNMP Trap/Inform • RMON (1,2,3,9 groups) • SDM Template • sFlow • PPPoE Circuit ID • DHCP/BOOTP Client • DHCP Snooping	• DHCP Option82 • DHCP Relay • DHCP Server • 802.1ab LLDP/LLDP-MED • Dual Image • CPU Monitoring • Cable Diagnostics • Access Control • Password Recovery • SNTP • System Log

IPv6 Support	• IPv6 Dual IPv4/IPv6
	• Multicast Listener Discovery(MLD) Snooping
	• IPv6 ACL
	• IPv6 Interface
	• Static IPv6 Routing
	• DHCPv6 Relay
	• DHCPv6 Snooping
	• IPv6 neighbor discovery (ND)
	• Path maximum transmission unit (MTU) discovery
	• Internet Control Message Protocol (ICMP)
	  version 6
		• TCPv6/UDPv6
		• IPv6 applications
		  - DHCPv6 Client
		  - Ping6
		  - Tracert6
		  - Telnet(v6)
		  - IPv6 SNMP
		  - IPv6 SSH
		  - IPv6 SSL
		  - Http/Https
		  - IPv6 TFTP

MIBs	• MIB II (RFC1213) • Interface MIB (RFC2233) • Ethernet Interface MIB (RFC1643) • Bridge MIB (RFC1493) • P/Q-Bridge MIB (RFC2674) • RMON MIB (RFC2819)	• RMON2 MIB (RFC2021) • Radius Accounting Client MIB (RFC2620) • Radius Authentication Client MIB (RFC2618) • Remote Ping, Traceroute MIB (RFC2925) • Support TP-Link private MIBs

Ordering Information

Host Switch	
Product Model	Description
T2600G-28TS	JetStream 24-Port Gigabit L2 Managed Switch with 4 SFP Slots
T2600G-52TS	JetStream 48-Port Gigabit L2 Managed Switch with 4 SFP Slots
SFP Modules	
Product Model	Description
TL-SM311LS	Gigabit SFP module, Single-mode, LC interface, Up to 10km distance
TL-SM311LM	Gigabit SFP module, Multi-mode, LC interface, Up to 550m distance
TL-SM321A	Gigabit WDM Bi-Directional SFP Module, single-mode, LC connector, TX:1550nm/RX:1310nm, 10km
TL-SM321B	Gigabit WDM Bi-Directional SFP Module, single-mode, LC connector, TX:1310nm/RX:1550nm, 10km
Media Converter	
Product Model	Description
MC210CS	Gigabit single-mode SC SFP Transceiver, up to 15Km, chassis mountable
MC200CM	Gigabit multi-mode SC SFP Transceiver, up to 550m, chassis mountable
MC200L	Gigabit SFP slot supporting mini-GBIC modules, chassis mountable
MC1400	14-slot power supply chassis for TP-LINK Media Converter, 19-inch rack-mountable

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