

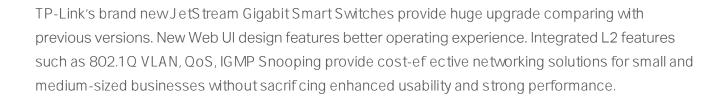
JetStream Smart Switches Datasheet

MODEL: T1500G-8T(TL-SG2008)/TL-SG2210P/ T1500G-10MPS/T1500-28PCT(TL-SL2428P)



- Gigabit Ethernet connections on all ports provide full speed of data transferring
- Advanced security features include IP-MAC-Port Binding, ACL, Port Security, DoS Defend, Storm Control, DHCP Snooping, 802.1X, and Radius Authentication
- L2/L3/L4 QoS and IGMP snooping optimize voice and video applications
- WEB/CLI managed modes, SNMP, RMON bring abundant management features
- Dual Firmware Image and Dual Configuration improves reliability and up-time of your network





JetStream Smart Switches support a complete lineup of L2 features, including IGMP Snooping/ MLD Snooping, 802.1Q/MAC/Protocol VLAN, STP/RSTP/MSTP, Link Aggregation Group (LAG), Port Isolation, Port Mirroring, and CPU Mirroring. IGMP Snooping ensures the multicast stream be forwarded intelligently to the appropriate subscribers by the switch, while IGMP Throttling & Filtering restrict each subscriber on a certain level to prevent unauthorized multicast access.

To integrate voice, data and video service on one network, the switch applies rich QoS policies. Administrator can designate the priority of the traf c based on a variety of means including Port Priority, 802.1P Priority and DSCP Priority, to ensure that voice and video are always clear, smooth and jitter free. In conjunction with the Voice VLAN that the switches support, Voice Applications will perform better and smoother.

JetStream Smart Switches support comprehensive IPv6 features including IPv6 management, ACL, QoS and MLD Snooping, all of these features help to ensure a smooth migration to IPv6-based network without changing switches in the future.

JetStream Smart Switches support multiple user-friendly standard management features such as intuitive web-based Graphical User Interface (GUI), industrially standard Command Line Interface (CLI) and SNMP (v1/2/3). These switches support RMON (Remote Network Monitoring), which enables the switch to be polled for valuable status information and send traps when encountering abnormal events. Also, this series of switches support Dual Image function, which makes there be less 'down-time' when switches are being upgraded/downgraded.

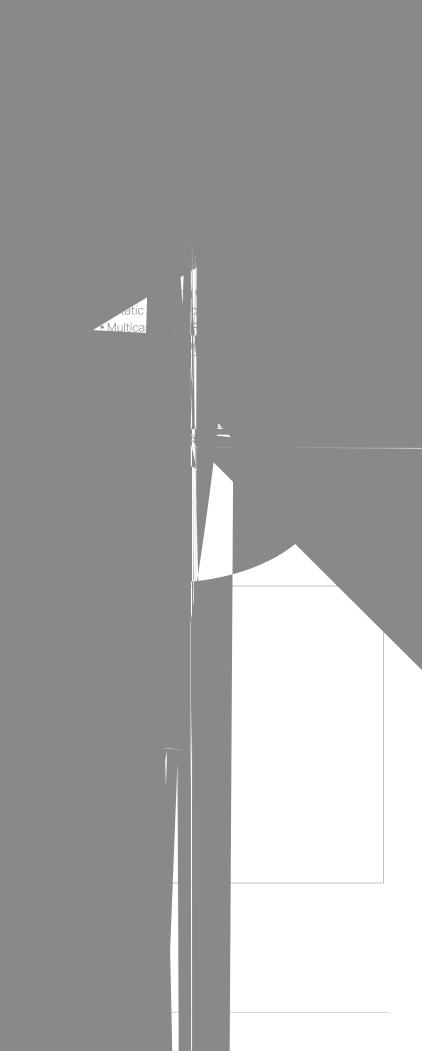
Specifications

Product Picture Model		**************************************		. (((((((((((((((((((
		T1500G-8T (TL-SG2008)	TL-SG2210P	T1500G-10MPS	T1500-28PCT (TL-SL2428P)	
General	Interfaces	8 10/100/1000 Mbps RJ45 Ports		0 Mbps RJ45 Ports oit SFP Slots	24 10/100 Mbps RJ45 Ports, 4 10/100/1000 Mbps RJ45 Ports 2 Combo Gigabit SFP Slots	
	PoE Standard		802.3af/at	802.3af/at	802.3af	
PoE	PoE Ports	/	8, up to 30 W	8, up to 30 W	24, up to 30 W	
	PoE Power Budget*		58 W	116 W	192 W	
	Switching Capac- ity	16 Gbps	20	Gbps	12.8 Gbps	
Performance	Packet Forward- ing Rate	11.84 Mpps	14.88 Mpps		9.52 Mpps	
	MAC Address Table	8K				
	Packet Buffer	4.1 Mbit				
	Jumbo Frame	9 KB				
	Power Supply	100-240 V AC, 50/60 Hz				
	Max Power Consumption	5.75 W (220 V/50 Hz)	10.5 W (220 V/50 Hz) (no PD connected)	15.61 W (220 V/50 Hz) (no PD connected)	21.7 W (220 V/50 Hz) (no PD connected)	
			75.3 W (220 V/50 Hz) (with 58 W PD connected)	139.52 W (220 V/50 Hz) (with 116 W PD connected)	229.73 W (110 V/60 Hz) (with 192 W PD connected)	
	Max Heat Dissi- pation	19.62 BTU/h	35.80 BTU/h (no PD connected)	53.26 BTU/h (no PD connected)	74.04 BTU/h (no PD connected)	
			256.77 BTU/h (with 58 W PD connected)	476.04 BTU/h (with 116 W PD connected)	783.84 BTU/h (with 192 W PD connected)	
Physical & Envi-	Dimensions (W × D × H)	209 mm*126 mm *26 mm	209 mm*126 mm *26 mm	294 mm*180 mm *44 mm	440 mm*180 mm *44 mm	
ronment	Fan Quantity	Fanless	Fanless	1	2	
	Operating Temperature			°C (32°F to 104°F)		
	Storage Tem- perature	-40°C to 70°C (-40°F to 158°F)				
	Operating Hu- midity	10% to 90% RH, non-condensing				
	Storage Humidity	5% to 90% RH, non-condensing				
	Certification	CE, FCC				

Note:

^{*}PoE budget calculations are based on laboratory testing. Actual PoE power budget is not guaranteed and will vary as a result of client limitations and environmental factors.





	• AAA	- 253 Entrie	
	•802.1X	- Source IP	
	- Port based authentication	• IPv6 Sourc	
	- MAC (Host) based authentication	- 183 Entrie	
	- Authentication Method includes PAP/EAP-MD5/	- Source IP	
	EAP-TLS/EAP-TTLS/EAP-PEAP	• DoS Defer	
	- MAB	Static/Dyn	
Security	- Guest VLAN	- Up to 64	
Security	- Support Radius authentication and accountability	Broadcast	
	• IP/IPv6-MAC Binding	- kbps/rati	
	- 512 Binding Entries	Port Isolat	
	- DHCP Snooping	• Secure we	
	- DHCPv6 Snooping	SSLv3/TL	
	- ARP Inspection	• Secure C	
	- ND Detection	manager	
	• IP Source Guard	• IP/Port/M	
	• IPv6 Dual IPv4/IPv6	- Ping6	
	Multicast Listener Discovery (MLD) Snooping	- Tracerté	
	IPv6 neighbor discovery (ND)	- Telnet (
ID 00	Path maximum transmission unit (MTU) discovery	- IPv6 SN	
IPv6 Support	Internet Control Message Protocol (ICMP) version 6	- IPv6 SS	
	• TCPv6/UDPv6	- IPv6 S	
	IPv6 applications	- Http/H	
	- DHCPv6 Client	- IPv6 T	
	Web-based GUI	• DHCP/	
Management	Command Line Interface (CLI) through telnet	nage, Dual Configuration	
	• SNMPv1/v2c/v3		
	SNMP Trap/Inform		
	• RMON (1,2,3,9 groups)		
	• SDM Template		
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