



Easy Managed Switch | Datasheet

TL-SG216E

16-Port Gigabit Easy Managed Switch



Highlights

- 16× 10/100/1000Mbps RJ45 ports
- Easy to Use: Supports plug-and-play for instant connectivity and simple configuration for additional features
- Centralized Cloud Management via the web or the app[†]
- VLAN, Port Isolation, Cable Test^Δ, QoS for reliable surveillance networking
- Automatic Loop Prevention and IGMP Snooping
- Fanless design for silent operation
- Durable metal casing and desktop/rack mounting design

Product Pictures



16× Gigabit RJ45 Ports



Specifications

Hardware Features & Performance		
Model		TL-SG216E
General	Interface	16× 10/100/1000 Mbps RJ45 Ports
	Flash	64 Mbit
	Port Standard	IEEE 802.3: Ethernet Media Access Control (MAC) Protocol IEEE 802.3i:10BASE-T Ethernet IEEE 802.3u:100BASE-X Fast Ethernet IEEE 802.3ab:1000BASE-T Gigabit Ethernet IEEE 802.3x: Flow Control IEEE 802.1p: Traffic Class Expediting and Dynamic Multicast Filtering IEEE 802.1q: Virtual Bridged Local Area Networks IEEE 802.1ab: Station and Media Access Control Connectivity Discovery (LLDP)
Performance	Switching Capacity	32 Gbps
	Packet Forwarding Rate	23.8 Mpps
	MAC Address Table	8K
	Packet Buffer	4 Mbit
	Transmission Method	Store and Forward
	Jumbo Frame	15 KB
Physical & Environment	Power Supply	100-240V~50/60Hz
	Max Power Consumption	8.4 W (110V/60Hz)
	Max Heat Dissipation	28.52 BTU/hr (110 V/60 Hz)
	Standby Power Consumption	4.2 W (110V/60 Hz)
	Surge Protection	±6 kV in common mode for Ethernet Ports
	ESD Protection	Air: ±8 kV, Contact: ±4 kV
	MTBF	2131140h @ 25°C
	Dimensions (W x D x H)	11.6 × 5.4 × 1.7 in (294×140×44 mm)
	Fan Quantity	Fanless
	Installation	Desktop/Rackmoutable
	Operating Temperature	-5 °C to 50 °C (23 °F to 122 °F)
	Storage Temperature	-40 °C to 70 °C (-40 °F to 158 °F)
	Operation Humidity	10% to 90% RH, non-condensing
	Storage Humidity	5% to 90% RH, non-condensing
	Certification	FCC

Software Features	
Model	TL-SG216E
SDN Support	• Support Hardware Controller, Software Controller, Cloud-Based Controller • Automatic Device Discovery • Batch Configuration • Batch Firmware Upgrading • Unified Configuration
L2 Features	• Link Aggregation - Static Link Aggregation - Up to 4 aggregation groups and up to 8 ports per group • Loopback Detection • Flow Control - 802.3x Flow Control • Mirroring - Port Mirroring - One-to-One - Many-to-One - Ingress/Egress/Both • Port Statistics - Port Mirror Status - Traffic Statistics • 802.1ab LLDP
L2 Multicast	• IGMP Snooping - IGMP v1/v2/v3 Snooping - Fast Leave
VLAN	• MTU VLAN • Port-Based VLAN • 802.1Q Tag VLAN - Max 32 VLAN Groups - 4K VID
QoS	• 802.1p DSCP Priority • 8 Priority Queues • Priority Schedule Mode - WRR (Weighted Round Robin) • Queue Weight Config • Bandwidth Control - Port-Based Rating Limit • Storm Control - Multiple Control Modes (kbps/pps) - Broadcast/Multicast/Unknown-Unicast Control
Management Features	• Web-based GUI • DHCP Client • Cable Diagnostics

[†]These functions require the use of the Omada Controller.

^ΔCable Test is supported under Controller Mode.