

# TL-SG2218

TP-Link - TL-SG2218 ( JetStream 16-Port Gigabit Smart Switch with 2 SFP Slots )



## Specifications

Model	TL-SG2218
Brand	Tp-Link
Port say?	16 Port
Port sür?ti	1000mb/s

KEY FEATURES

HARDWARE FEATURES

Interface	• 16× 10/100/1000 Mbps RJ45 Ports • 2× Gigabit SFP Slots
Fan Quantity	Fanless
Power Supply	100-240 V AC~50/60 Hz
Dimensions ( W x D x H )	17.3 × 7.1 × 1.7 in (440 × 180 × 44 mm)
Mounting	Rack Mountable
Max Power Consumption	12.3 W (220 V/50 Hz)
Max Heat Dissipation	41.97 BTU/hr

PERFORMANCE

Switching Capacity	36 Gbps
Packet Forwarding Rate	26.8 Mpps
MAC Address Table	8K
Jumbo Frame	9 KB

SOFTWARE FEATURES

Quality of Service	<ul style="list-style-type: none"> <li>• 8 priority queues</li> <li>• 802.1p CoS/DSCP priority</li> <li>• Queue scheduling</li> <li>- SP (Strict Priority)</li> <li>- WRR (Weighted Round Robin)</li> <li>- SP+WRR</li> <li>• Bandwidth Control</li> <li>- Port/Flow based Rating Limiting</li> <li>• Smoother Performance</li> <li>• Action for Flows</li> <li>- Mirror (to supported interface)</li> <li>- Redirect (to supported interface)</li> <li>- Rate Limit</li> <li>- QoS Remark</li> </ul>
L3 Features	<ul style="list-style-type: none"> <li>• 16 IPv4/IPv6 Interfaces</li> <li>• Static Routing</li> <li>- 48 static routes</li> <li>• Static ARP</li> <li>• 316 ARP Entries</li> <li>• Proxy ARP</li> <li>• Gratuitous ARP</li> <li>• DHCP Server</li> <li>• DHCP Relay</li> <li>• DHCP L2 Relay</li> </ul>

SOFTWARE FEATURES

- Link Aggregation
  - Static link aggregation
  - 802.3ad LACP
  - Up to 8 aggregation groups and up to 8 ports per group
- Spanning Tree Protocol
  - 802.1d STP
  - 802.1w RSTP
  - 802.1s MSTP
  - STP Security: TC Protect, BPDU Filter, BPDU Protect, Root Protect, Loop Protect
- Loopback Detection
  - Port-based
  - VLAN based
- Flow Control
  - 802.3x Flow Control
- HOL Blocking Prevention
- Mirroring
  - Port Mirroring
  - CPU Mirroring
  - One-to-One
  - Many-to-One
  - Tx/Rx/Both
- Supports 511 (IPv4, IPv6) IGMP groups
- IGMP Snooping
  - IGMP v1/v2/v3 Snooping
  - Fast Leave
  - IGMP Snooping Querier
  - IGMP Authentication
- IGMP Authentication
- MVR
- MLD Snooping
  - MLD v1/v2 Snooping
  - Fast Leave
  - MLD Snooping Querier
  - Static Group Config
  - Limited IP Multicast
- Multicast Filtering: 256 profiles and 16 entries per profile
- Automatic Device Discovery
- Batch Configuration
- Batch Firmware Upgrading
- Intelligent Network Monitoring
- Abnormal Event Warnings
- Unified Configuration
- Reboot Schedule
- VLAN Group
  - Max 4K VLAN Groups
- 802.1q Tagged VLAN
- MAC VLAN: 12 Entries
- Protocol VLAN: Protocol Template 16, Protocol VLAN 16
- GVRP
- Voice VLAN
- Time-based ACL
- MAC ACL
- Source MAC
- Destination MAC
- VLAN ID
- User Priority