

## HARDWARE FEATURES

Standards and Protocols	IEEE 802.3i IEEE 802.3u IEEE 802.3ab IEEE802.3z IEEE 802.3ae IEEE 802.3ad IEEE 802.3x IEEE 802.1d IEEE 802.1s IEEE 802.1w IEEE 802.1Q IEEE 802.1x IEEE 802.1p
Interface	24 × 10/100/1000Mbps RJ45 Ports 4 × 10G SFP+ Slots
Network Media	10BASE-T: UTP category 3, 4, 5 cable (maximum 100m) 100BASE-TX/1000Base-T: UTP category 5, 5e or above cable (maximum 100m) 1000BASE-X: MMF, SMF 10GBASE-LR 10GBASE-SR
Fan Quantity	Fanless
Physical Security Lock	Yes
Power Supply	100-240V, 50/60Hz
Weight	6.2lb
Dimensions ( W x D x H )	17.32 × 7.1 × 1.73 in. (440 × 180 × 44 mm)
Mounting	19" 1U Rack Mountable
Max Power Consumption	21.8W
Max Heat Dissipation	74.4.BTU/h

## PHYSICAL STACKING

Max Number of Stacking Ports Installable	2 SFP+
No. of Units Per Stack	Up to 6 units
Stacking Speed (Per Port)	20Gbps (Full-Duplex)

## PERFORMANCE

Switching Capacity	Up to 128Gbps for a standalone switch
Packet Forwarding Rate	Up to 95.2Mpps for a standalone switch
MAC Address Table	16K
Packet Buffer Memory	1.5MB
Jumbo Frame	9KB
Number of Static Routes	32 IPv4

## PERFORMANCE

Number of IP Interfaces

16

## SOFTWARE FEATURES

Quality of Service

Support 802.1p CoS/DSCP priority  
Support 8 priority queues  
Queue scheduling: SP, WRR, SP+WRR  
Port/Flow- based Rate Limiting  
IPv6 QoS  
Voice VLAN

L2 and L2+ Features

Static Routing  
DHCP Relay  
IGMP Snooping V1/V2/V3  
802.3ad LACP (Up to 14 aggregation groups, containing 8 ports per group)  
Spanning Tree STP/RSTP/MSTP  
BPDU Filtering/Guard  
TC/Root Protect  
Loopback detection  
802.3x Flow Control  
LLDP, LLDP-MED

VLAN

Supports up to 4K VLANs simultaneously (out of 4K VLAN IDs)  
MAC/Protocol-based VLAN

Access Control List

L2 ~ L4 package filtering based on source and destination MAC address, IP address, TCP/UDP ports  
IPv6 ACL

Security

AAA  
Port Security  
DHCP Snooping  
IP-MAC-Port Binding  
ARP Inspection  
802.1x and Radius Authentication  
SSH v1/v2  
SSL v3/TLSv1  
Broadcast/Multicast/Unknown-unicast Storm Control  
Dos Defend

IPv6

Dual IPv4/IPv6 stack  
Multicast Listener Discovery (MLD) 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

Management

Web-based GUI and CLI management  
SNMP v1/v2c/v3, compatible with public MIBs and TP-LINK private MIBs  
RMON (1, 2, 3, 9 groups)  
CPU Monitoring  
Port Mirroring  
Firmware Upgrade: TFTP & Web  
System Diagnose: VCT  
SYSLOG & Public MIBS  
Dual Image

## OTHERS

Certification	CE, FCC, RoHS
Package Contents	T1700G-28TQ Power Cord Installation Guide Resource CD Rackmount Kit Rubber Feet
Environment	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