

HARDWARE FEATURES

Standards and Protocols	IEEE 802.3i,IEEE 802.3u,IEEE 802.3ab, IEEE802.3z,IEEE 802.3x,IEEE 802.1d, IEEE 802.1s,IEEE 802.1w,IEEE 802.1q,IEEE 802.1p
Interface	48 10/100/1000Mbps RJ45 Ports (Auto Negotiation/Auto MDI/MDIX) 4 Gigabit 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
Fan Quantity	Fanless
Physical Security Lock	Yes
Power Supply	100~240VAC, 50/60Hz
Power Consumption	Maximum: 32.8W (220V/50Hz)
Dimensions (W x D x H)	17.3*8.7*1.7 in.(440*220*44 mm)
Mounting	Rack Mountable
Max Power Consumption	32.8W (220V/50Hz)
Max Heat Dissipation	111.91 BTU/h

PERFORMANCE

Bandwidth/Backplane	104Gbps
Packet Forwarding Rate	77.4Mpps
MAC Address Table	16k
Jumbo Frame	9216 Bytes

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

SOFTWARE FEATURES

Access Control List	L2 ~ L4 package filtering based on source and destination MAC address, IP address, TCP/UDP ports IPv6 ACL*
Security	SSH v1/v2 SSL v3/TLS v1 AAA* Port Security DHCP Snooping IP-MAC-Port Binding ARP Inspection 802.1x and Radius Authentication 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 *These features will be supported in a future firmware release.

OTHERS

Certification	CE, FCC, RoHS
Package Contents	T1600G-52TS Power Cord; Installation Guide; Resource CD; Rackmount Kit; Rubber Feet
System Requirements	Microsoft® Windows® XP, Vista™ or Windows 7, Windows 8, MAC® OS, NetWare®, UNIX® or Linux.
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% non-condensing Storage Humidity: 5%~90% non-condensing