

HARDWARE FEATURES

Standards and Protocols	IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE802.3z, IEEE 802.3ad, IEEE 802.3x, IEEE 802.3az, IEEE 802.1d, IEEE 802.1s, IEEE 802.1w, IEEE 802.1q, IEEE 802.1p, IEEE 802.1x
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	3
Physical Security Lock	Yes
PoE+ Ports(RJ45)	Standard: 802.3at/af compliant PoE+ Ports: 48 Ports Power Supply: 384W
Dimensions (W x D x H)	17.3 x 13 x 1.73 in. (440 x 330 x 44 mm)
Mounting	Rack Mountable
Max Power Consumption	47.57W (110V/60Hz with no PD connected) 485.7W (110V/60Hz with 384W PD connected)
Max Heat Dissipation	162.31 BTU/h (with no PD connected) 1657.21 BTU/h (with 384W PD connected)

PERFORMANCE

Bandwidth/Backplane	104Gbps
Packet Forwarding Rate	77.4Mpps
MAC Address Table	16K
Jumbo Frame	9KB

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	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	T1600G-52PS 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