

HARDWARE FEATURES

Standards and Protocols	IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3ad, IEEE 802.3x, IEEE 802.1d, IEEE 802.1s, IEEE 802.1w, IEEE 802.1q, IEEE 802.1p
Interface	24 10/100Mbps RJ45 Ports (Auto Negotiation/Auto MDI/MDIX) 4 10/100/1000Mbps RJ45 Ports (Auto Negotiation/Auto MDI/MDIX) 2 Combo 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	2
Physical Security Lock	Yes
Power Supply	100~240VAC, 50/60Hz
Power Consumption	Maximum(PoE on): 222.15W (220V/50Hz)
PoE Budget	192W
Dimensions (W x D x H)	17.3*8.7*1.7 in.(440*220*44 mm)
Mounting	Rack Mountable
Max Power Consumption	21.7W (220V/50Hz with no PD connected) 229.73W (110V/60Hz with 192W PD connected)
Max Heat Dissipation	74.04 BTU/h (with no PD connected) 783.84 BTU/h (with 192W PD connected)

PERFORMANCE

Bandwidth/Backplane	12.8Gbps
Packet Forwarding Rate	9.5Mpps
MAC Address Table	8k
Jumbo Frame	9216 Bytes

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<p>Quality of Service</p>	<ul style="list-style-type: none"> • 802.1p CoS/ DSCP priority • 8 priority queues • Priority Schedule Mode <ul style="list-style-type: none"> - SP (Strict Priority) - WRR (Weighted Round Robin) • Queue Weight Config • Bandwidth Control <ul style="list-style-type: none"> - Port/Flow based Rating Limit • Smoother Performance • Actions for flows <ul style="list-style-type: none"> - Mirror(to supported interface) - Redirect(to supported interface) - Rate Limit - QoS Remark • Storm Control <ul style="list-style-type: none"> - Multiple Control Modes(kbps/ratio/pps) - Broadcast/Multicast/Unknown-Unicast Control
<p>L2 Features</p>	<ul style="list-style-type: none"> • Link Aggregation <ul style="list-style-type: none"> - static link aggregation - Up to 8 aggregation groups and up to 8 ports per group - 802.3ad LACP • Spanning Tree Protocol <ul style="list-style-type: none"> - 802.1D STP - 802.1w RSTP - 802.1s MSTP - STP Security: Loop back detection, TC Protect, BPDU Filter/Protect, Root Protect • Loopback Detection • Flow Control <ul style="list-style-type: none"> - 802.3x Flow Control • Mirroring <ul style="list-style-type: none"> - Port Mirroring - One-to-One - Many-to-One - Flow-Based - Ingress/Egress/Both - CPU Mirroring • Device Link Detect Protocol(DLDP)
<p>L2 Multicast</p>	<ul style="list-style-type: none"> • 512 IPv4,IPv6 shared multicast groups • IGMP Snooping <ul style="list-style-type: none"> - IGMP v1/v2/v3 Snooping - Fast Leave - IGMP Snooping Querier - IGMP Authentication - Static Group Config • MLD Snooping <ul style="list-style-type: none"> - MLD v1/v2 Snooping - Fast Leave - MLD Snooping Querier - Static Group Config • Multicast VLAN Registration • Multicast Filtering
<p>IPv6 Support</p>	<ul style="list-style-type: none"> • IPv6 Dual IPv4/IPv6 • 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 <ul style="list-style-type: none"> - DHCPv6 Client - Ping6 - Tracert6 - Telnet(v6) - IPv6 SNMP - IPv6 SSH - IPv6 SSL - Http/Https - IPv6 TFTP

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VLAN	<ul style="list-style-type: none">• VLAN Group- Max. 4K VLAN Groups• 802.1Q tag VLAN• MAC VLAN• Protocol VLAN• GVRP• Voice VLAN
Access Control List	<ul style="list-style-type: none">• Support up to 230 entries• Time-Range<ul style="list-style-type: none">- Time Slice- Week Time-Range- Absolute Time-Range- Holiday• Time-based ACL• MAC ACL<ul style="list-style-type: none">- Source MAC- Destination MAC- VLAN ID- User Priority- Ether Type• IP ACL<ul style="list-style-type: none">- Source IP- Destination IP- IP Protocol- TCP Flag- TCP/UDP Source Port- TCP/UDP Destination Port- DSCP/IP TOS• IPv6 ACL• Combined ACL• Rule Operation<ul style="list-style-type: none">- Permit/Deny• Policy Action<ul style="list-style-type: none">- Mirror- Rate Limit- Redirect- QoS Remark• ACL Rules Binding<ul style="list-style-type: none">- Port Binding- VLAN Binding

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<p>Security</p>	<ul style="list-style-type: none"> • AAA • 802.1X - Port based authentication - MAC(Host) based authentication - Authentication Method includes PAP/EAP-MD5/EAP-TLS/EAP-TTLS/EAP-PEAP - MAB - Guest VLAN - Support Radius authentication and accountability • IP/IPv6-MAC Binding - 512 Binding Entries - DHCP Snooping - DHCPv6 Snooping - ARP Inspection - ND Detection • IP Source Gurad - 253 Entries - Source IP+Source MAC • IPv6 Source Gurad - 183 Entries - Source IPv6 Address+Source MAC • DoS Defend • Static/Dynamic/Permanent Port Security - Up to 64 MAC addresses per port • Broadcast/Multicast/Unicast Storm Control - kbps/ratio/pps control mode • Port Isolation • Secure web management through HTTPS with SSLv3/TLS1.0 • Secure Command Line Interface (CLI) management with SSHv1/SSHv2 • IP/Port/MAC based access control
<p>Management</p>	<ul style="list-style-type: none"> • Web-based GUI and CLI management • SNMPv1/v2c/v3 • SNMP Trap/Inform • RMON (1,2,3,9 groups) • SDM Template • DHCP/BOOTP Client • Dual Image, Dual Configuration • CPU Monitoring • Cable Diagnostics • EEE • System Log • 802.1ab LLDP/ LLDP-MED
<p>MIBs</p>	<ul style="list-style-type: none"> • MIB II (RFC1213) • Interface MIB (RFC2233) • Ethernet Interface MIB (RFC1643) • Bridge MIB (RFC1493) • P/Q-Bridge MIB (RFC2674) • RMON MIB (RFC2819) • RMON2 MIB (RFC2021) • Radius Accounting Client MIB (RFC2620) • Radius Authentication Client MIB (RFC2618) • Remote Ping, Traceroute MIB (RFC2925) • Support TP-Link private MIBs
<p>OTHERS</p>	
<p>Certification</p>	<p>CE, FCC, RoHS</p>
<p>Package Contents</p>	<p>T1500-28PCT Power Cord Installation Guide Resource CD Rackmount Kit Rubber Feet</p>

OTHERS

System Requirements	Microsoft® Windows® XP, Vista™ Windows 7 or 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