Datasheet | UTP5628TFS-L3(V2)

24-Port Gigabit SFP(8-Port Gigabit Combo) 4-Port 10G SFP+ L3 Managed Ethernet Switch

Overview

This switches is enterprise-class stackable routing switch with fixed, built-in 10GbE uplink ports. It has great performance on availability, scalability, security and energy efficiency. This fully managed switch support fully L2/L3 web management, and it provides high switching capacity, supports wire-speed L2/L3 forwarding and high routing performance for IPv4 and IPv6 protocols. Thanks to the VSF (Virtual Switch Framework), the management work for the network administrator is simplified. Multiple switches can be virtualized into one logical device, achieving the sharing of information and data tables between different switches, which provides more reliability. It delivers high-performance, hardware-based on IP routing. RIP, OSPF, and BGP provide dynamic routing by exchanging routing information with other Layer 3 switches and routers. It is ideal for aggregation or access layer for campus, enterprise, government and internet service provider networks.

Features and Highlights

Abundant Interfaces

- 24*1000BASE-X SFP(8*1000Mbps RJ-45 Combo) ports
- 4*1/10GBASE-X SFP+ ports

Layer 3 Features

- RIP
- OSPF
- BGP
- IS-IS
- ECMP
- DHCP

Layer 2 Features

- 802.1Q VLAN
- QoS
- STP/RSTP/MSTP
- ERPS
- IGMP snooping
- LACP
- LLDP

VSF (Virtual Switch Framework)

Virtual Switch Framework can virtualize multiple switches into one logical device, achieving the sharing of information and data tables between different switches.

Specifications

Items	UTP5628TFS-L3(V2)
Hardware Specifications	
Downlink Port	24*1000BASE-X SFP (mini-GBIC) combo with 8*1000Mbps RJ-45 (Auto-MDI/MDI-X)
Uplink Port	4*1/10GBASE-X SFP+
Cable	Cat5 or better
Dimensions (W*D*H)	440mm*240mm*44mm
Single Package Dimensions	530mm*322mm*98mm
Single Package Weight	3.95kg
Power Supply	AC: 100~240V AC, 50~60Hz DC: 12V DC
Power Consumption	<40W(Full load)
Material	Metal shell
Switch Property	
Forwarding Modes	Store and Forward
Switching Capacity	598Gbps/5.98Tbps
Packet Forwarding Rate	166Mpps/252Mpps
MAC Table	32K, supported auto learning
Jumbo frame	10K
Environments	
Surge protection	6KV Execute IEC6100-4-5
ESD protection	6KV: Contact discharge 8KV: Air discharge Execute: IEC61000-4-2
Operating	-10°C~50°C, 10%~90% (Non-condensation)
Storage	-40°C~70°C, 10%~95% (Non-condensation)
Certificate	
Regulatory compliance	CE FCC
Software Architecture	
VLAN	Support Port-based VLAN
	Support IEEE802.1Q 4K VLAN
	Support private VLAN
	Support Protocol VLAN
	Support Voice VLAN
	Support MAC VLAN
	Support QinQ
	Support Flexible QinQ
	Support VLAN Translation
	Support N:1 VLAN Translation
	Support GVRP dynamic VLAN registration
DHCP	Support IPv4/IPv6 DHCP Client, IPv4/IPv6 DHCP Relay
	Support Option 82, Option 37/38
	Support IPv4/IPv6 DHCP Snooping, IPv4/IPv6 DHCP Server
Reliability	Support STP, RSTP, MSTP
	Support LACP
	Support VRRP
	Support EMVTE(ULPP+ULSM), MRPP
	Support G.8032 ERPS
	Support Loopback detection, VCT, DDM
	Support alarm for power off dying gasp
	Support ULDP

Specifications

Software Architecture		
Security	Support port speed-limited	
	Support Storm Control	
	Support port/MAC binding, MAC filter	
	Support MAC address table query	
	Support port, VLAN-based MAC control	
	Support anti ARP Cheat, anti ARP Scan, ARP Binding	
	Support DHCP Snooping, ND Snooping	
	Support DAI	
	Support IEEE 802.1x, expanded IEEE 802.1x, Web Portal	
	Support TACACS+	
Routing	Support static routing, RIP V1/2, RIPng, OSPF, OSPFv3, IS-IS, IS-ISv6, BGP, BGP4+, ECMP, policy-based routing	
Multicast	Support IGMP v1/v2/v3 snooping, IGMP Fast leave	
	Support MLD v1/v2 snooping	
	Support Multicast VLAN, IPv4/IPv6 DCSCM	
QoS	Support Traffic Classification Based on ACL, VLAN ID, COS, TOS, DSCP, IPv6 FlowLabel	
	Support port-based & VLAN-based PolicyMap binding	
	Support DSCP, COS/802.1p, TOS Mark/Remark	
	Support 8 Queues	
	Support SP, SP+, WRR, SWRR, DWRR	
ACL	Support IP ACL,S/DIP, IP Protocol, IP Precedence, TCP/UDP port	
	Support MAC ACL, S/DMAC,VLAN ID,COS	
	Support IP+MAC ACL	
	Support User-Defined ACL	
	Support Time Ranged ACL	
	Support ACL rules can be configured to port, VLAN	
	Support Redirect and statistics	
Management	Support web-based GUI and CLI	
	Support ethernet management port	
	Support IPv4/IPv6 HTTP	
	Support IPv4/IPv6 FTP/TFTP	
	Support IPv4/IPv6 SNTP/NTP	
	Support IPv4/IPv6 telnet User & password authorization by radius	
	Support IPv4/IPv6 SSH	
	Support IP address, DNS server modification	
	Support IPv4/IPv6 syslog	
	Support SNMPv1/v2c/v3	
	Support MIB, Support Trap	
	Support RMON 1, 2, 3, 9	
	Support dual firmware images/ Configuration files	
	Support LLDP	
	Support port mirror, CPU mirror, RSPAN, ERSPAN	
	Support sFlow Traffic Analysis	
	Support one key reset to recover the default factory setting on reboot	
	Support OAM	
	Support VSF(Virtual Switch Framework)	
Energy Efficiency	Support 802.3az EEE, support automatic fan speed adjustment, temperature alarm, support LED Shut-off	

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More Information

For more information, please visit:

www.utepo.net