

# 16-Port Gigabit SFP 8-Port Gigabit Combo 4-Port 10G SFP+ L3 Managed Ethernet Switch

## Overview

This switch is an 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 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

- 16\*1000Base-X SFP ports
- 8\*1000Mbps Combo (RJ-45/SFP) ports
- 4\*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)
<b>Hardware Specifications</b>	
Downlink Port	16*10/100/1000Base-X SFP ports 8*1000Mbps Combo (RJ-45/SFP)
Uplink Port	4*10GBase-X SFP+
Cable	Cat5 or better
Dimensions (W*D*H)	440mm*240mm*44mm
Power Supply	AC: 100~240V AC, 50~60Hz DC: 12V DC
Power Consumption	<40W(Full load)
Material	Metal shell
<b>Switch Property</b>	
Forwarding Modes	Store and Forward
Switching Capacity	598Gbps/5.98Tbps
Packet Forwarding Rate	166Mpps/252Mpps
<b>Environments</b>	
Operating	0°C~50°C, 10%~90% (Non-condensation)
Storage	-40°C~70°C, 10%~95% (Non-condensation)
<b>Software Architecture</b>	
VLAN	Support Port-based VLAN
	Support IEEE802.1Q 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	
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 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
Routing	Support TACACS+
	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
ACL	Support SP, WRR, SWRR, DWRR
	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
Management	Support ACL rules can be configured to port, VLAN
	Support Redirect and statistics
	Support CLI
	Support ethernet management port
	Support IPv4/IPv6 HTTP
	Support IPv4/IPv6 FTP/TFTP
	Support IPv4/IPv6 SNTTP/NTP
	Support IPv4/IPv6 telnet User & password authorization by radius
	Support IPv4/IPv6 SSH
	Support security IP
	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
Support OAM	
Support VSF(Virtual Switch Framework)	
Energy Efficiency	Support 802.3az EEE, support automatic fan speed adjustment, temperature alarm, support LED Shut-off

## More Information

For more information, please visit:

[www.utepo.net](http://www.utepo.net)

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Version,V1.0, updated 2022.8.23.

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