Datasheet | UTP5628S-L3(V2), UTP5628S-PSB-L3, UTP5652S-L3(V2), UTP5652S-PSB-L3
24-Port Gigabit 4-Port 10G SFP+ L3 Managed Ethernet Switch
24-Port Gigabit PoE+(4-Port Gigabit Combo) 4-Port 10G SFP+ L3 Managed Ethernet Switch
48-Port Gigabit 4-Port 10G SFP+ L3 Managed Ethernet Switch
48-Port Gigabit PoE+ 4-Port 10G SFP+ L3 Managed Ethernet Switch

Overview

This series of 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 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

- UTP5628S-L3(V2): 24*10/100/1000BASE-T RJ-45 ports
  UTP5628S-PSB-L3: 20*10/100/1000BASE-T PoE+ RJ-45 ports + 4*1000Mbps Combo (RJ-45/SFP)
  UTP5652S-L3(V2): 48*10/100/1000BASE-T RJ-45 ports
  UTP5652S-PSB-L3: 48*10/100/1000BASE-T PoE+ RJ-45 ports
- 4*1/10GBASE-X SFP+ ports
- 1*RJ-45 Ethernet Management port
- 1*Console port
- 1*Reset port
- 1*USB2.0 interface

Layer 3 Features

- RIPv1/v2
- OSPFv2/v3
- BGP4/BGP4+
- VRRP
- IGMP
- IPv6 Support

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	UTP5628S-L3(V2)	UTP5628S-PSB-L3
Hardware Specifications		
Downlink Port	24*10/100/1000BASE-T RJ-45 ports	20*10/100/1000BASE-T PoE+ RJ-45 ports 4*1000Mbps Combo (RJ-45/SFP)
Uplink Port	4*1/10GBASE-X SFP+	
Management Port	1*RJ-45 Ethernet management port 1*Console port 1*Reset port 1*USB2.0 interface	
Cable	Cat5 or better	
Dimensions (W*D*H)	440mm*240mm*44mm	440mm*320mm*44mm
Single Package Weight	3.45kg	5.4kg
Single Package Dimensions	530mm*322mm*98mm	530mm*480mm*110mm
Power Supply	AC: 100~240VAC, 50~60Hz	AC: 100~240VAC, 50~60Hz
Power Consumption	<30W(Full load)	<471W(Full load, include PoE)
Material	Metal shell	
Switch Property		
Forwarding Modes	Store and Forward	
Switching Capacity	128Gbps, non-blocking	
Packet Forwarding Rate	95Mpps	
Jumbo frame	10K	
MAC Table	32K, supported auto learning	
ARP Table	4K	
Routing Table	1K	
ACL Table	1K	
PoE		
PoE Standard	N/A	IEEE 802.3af/at
PoE Budget	N/A	30W max for each port, 370W max for whole switch
Environments		
Operating	Temperature: 0℃~50℃ Relative Humidity: 10%~90% (Non-condensation)	
Storage	Temperature: -40℃~70℃ Relative Humidity: 10%~95% (Non-condensation)	
ESD	Contact Discharge: ±8kV, Air Discharge: ±15kV	
Surge	±6kV	

Specifications

Items	UTP5652S-L3(V2)	UTP5652S-PSB-L3
Hardware Specifications		
Downlink Port	48*10/100/1000BASE-T RJ-45 ports	48*10/100/1000BASE-T PoE+ RJ-45 ports
Uplink Port	4*1/10GBASE-X SFP+	
Management Port	1* RJ-45 Ethernet management port 1* Console port 1* Reset port 1* USB2.0 interface	
Cable	Cat5 or better	
Dimensions (W*D*H)	440mm*240mm*44mm	440mm*320mm*44mm
Single Package Weight	4.25kg	7.235kg
Single Package Dimensions	530mm*322mm*98mm	555mm*483mm*168mm
Power Supply	AC: 100~240VAC, 50~60Hz	AC: 100~240VAC, 50~60Hz DC: -52V~-57V
Power Consumption	<50W(Full load)	<897W(Full load, include PoE)
Material	Metal shell	
Switch Property		
Forwarding Modes	Store and Forward	
Switching Capacity	176Gbps, non-blocking	
Packet Forwarding Rate	131Mpps	
Jumbo frame	10K	
MAC Table	16K, supported auto learning	
ARP Table	4K	512
Routing Table	1K	512
ACL Table	1K	512
PoE		
PoE Standard	N/A	IEEE 802.3af/at
PoE Budget	N/A	30W max for each port, 740W max for whole switch
Environments		
Operating	Temperature: 0℃~50℃ Relative Humidity: 10%~90% (Non-condensation)	
Storage	Temperature: -40℃~70℃ Relative Humidity: 10%~95% (Non-condensation)	
ESD	Contact Discharge: ±8kV, Air Discharge: ±15kV	
Surge	±6kV	

Software Architecture

Main Features	
L1, L2 Features	
L1 Standard	IEEE 802.3(10BASE-T), IEEE 802.3u(100BASE-TX), IEEE 802.3z(1000BASE-X), IEEE 802.3ab(1000BASE-T), IEEE 802.3ae(10GBase), IEEE 802.3x, IEEE 802.3ak(10GBASE-CX4)
LLDP & LACP	Port loopback detection LLDP and LLDP-MED ULDP 802.3ad LACP, max 128 group trunks with max 8 ports for each trunk(UTP5652S-PSB-L3 supports max 64 group trunks with max 8 ports for each trunk) LACP load balance ERPS (G.8032)
Mirroring	N:1 Port Mirroring RSPAN
Spanning Tree	IEEE 802.1D(STP) IEEE 802.1w(RSTP) IEEE 802.1s(MSTP) Root Guard BPDU Guard BPDU Tunnel
VLAN	802.1Q, 4K VLAN MAC VLAN, Voice VLAN, PVLAN, Protocol VLAN, Multicast VLAN QinQ, Flexible QinQ GVRP N:1 VLAN Translation Broadcast / Multicast / Unicast Storm Control
IGMP	IGMP v1/v2/v3 Snooping and L2 Query ND Snooping MLDv1/v2 Snooping
Security	Port Security
Port Configure	Flow Control: HOL, IEEE 802.3x Bandwidth Control
L3 Features	
IP Routing	Static Routing, RIPv1/v2, OSPFv2, BGP4, OSPFv3, BGP4+ OSPF multiple processes LPM Routing Policy-based routing (PBR) for IPv4 and IPv6 VRRP URPF ECMP BFD
IGMP	IGMP v1/v2/v3, IGMP Proxy Static Multicast Route Multicast Receive Control Illegal Multicast Source Detect
ARP	ARP Guard, Local ARP proxy, Proxy ARP, ARP Binding, Gratuitous ARP, ARP Limit Anti ARP Cheat, Anti ARP Scan
DNS	DNS Client, DNS Relay
GRE	GRE Tunnel(UTP5652S-PSB-L3 doesn’t support)

Software Architecture

Main Features	
Advanced Configure	
IPv6	6to4 Tunnel, Configured Tunnel, ISATAP Tunnel, GRE Tunnel(UTP5652S-PSB-L3 doesn't support) ICMPv6, ND, DNSv6 IPv6 LPM Routing, IPv6 Policy-based Routing (PBR) IPv6 VRRPv3, IPv6 URPF, IPv6 RA RIPng, OSPFv3, BGP4+ MLD Snooping, IPv6 Multicast VLAN MLDv1/v2, IPv6 ACL, IPv6 QoS
QoS	8 Queues SP, WDRR, SWDRR Traffic Classification Based on 802.1p CoS, ToS, DiffServ DSCP, ACL, port number Traffic Policing PRI Mark/Remark
ACL	IP ACL, MAC ACL, IP-MAC ACL, User-Defined ACL Standard and Expanded ACL Based on source/destination IP or MAC, IP Protocol, TCP/UDP port, DSCP, ToS, IP Precedence), VLAN, Tag/Untag, CoS Redirect and statistics Rules can be configured to port, VLAN Time Ranged ACL ACL rules can be configured to port, VLAN
Security	802.1x AAA Port, MAC-based authentication Accounting based on time length and traffic Guest VLAN and auto VLAN RADIUS for IPv4 and IPv6 TACACS+ for IPv4 and IPv6 MAB
DHCPv4/v6 Traffic Monitor	DHCP Server/Client for IPv4/IPv6 DHCP Relay/Option 82 DHCP Snooping/Option 82
Traffic Monitor	sFlow Traffic Analysis
Security Network Management	CLI, WEB, Telnet, SNMPv1/v2c/v3 through IPv4 and IPv6 Syslog and external Syslog Server HTTP SSL SNMP MIB, SNMP TRAP FTP/TFTP SNTP/NTP RMOM 1,2,3,9 Authentication by Radius/TACACS SSH v1/v2 Dual firmware images/ Configuration files 802.3ah OAM, 802.1ag OAM
Data Center Features	VSF (Virtual Switch Framework), up to 4 stack members

More Information

For more information, please visit:

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