

HARDWARE FEATURES

Standards and Protocols	IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE802.3z, IEEE 802.3ae, IEEE 802.3ad, IEEE 802.3az, IEEE 802.3x, IEEE 802.1d, IEEE 802.1s, IEEE 802.1w, IEEE 802.1q, IEEE 802.1x, IEEE 802.1p
Interface	48 10/100/1000Mbps RJ45 Ports (Auto Negotiation/Auto MDI/MDIX) 4 Combo Gigabit SFP Slots Up to 4 10G SFP+ Slots (2 fixed and 2 optional) 1 Micro-USB, 1 RJ45 Console Port 1 Management Port 1 USB Slot
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) 100BASE-FX: MMF, SMF 1000BASE-X: MMF, SMF 10GBASE-LR 10GBASE-SR
Fan Quantity	2 Removable
Physical Security Lock	No
Power Supply	100~240VAC, 50/60Hz Dual Hot-swappable power supply module: PSM150 (Maximum Output Power: 150W)
Dimensions (W x D x H)	17.32*16.55*1.73 in. (440*420*44 mm)
Mounting	Rack Mountable
Max Power Consumption	58.82W (220V/50Hz)
Max Heat Dissipation	200.69 BTU/h

PHYSICAL STACKING

Installable SFP+ Transceivers and Direct Attach Copper (DAC) Cables	TXM431-SR TXM431-LR TXC432-CU1M TXC432-CU3M
Max Number of Stacking Ports Installable	2 SFP+
No. of Units Per Stack	8
Stacking Speed (Per Port)	20 Gbps (Full-Duplex)

PERFORMANCE

Switching Capacity	Up to 176Gbps for a standalone switch
Packet Forwarding Rate	Up to 130.9Mpps for a standalone switch
MAC Address Table	32K
Packet Buffer Memory	4MB
Jumbo Frame	12KB
Number of Routes	8K IPv4

PERFORMANCE

Number of Static Routes	256 IPv4
Number of IP Interfaces	128 IPv4

SOFTWARE FEATURES

Quality of Service	Support 802.1p CoS/DSCP priority Support 8 priority queues Queue scheduling: SP, WRR, SP+WRR Ingress/Egress DiffServ Port/Flow- based Rate Limiting Voice VLAN
L2 Features	IGMP Snooping V1/V2/V3 MVR 802.3ad LACP (Up to 64 aggregation groups, 8 ports per group) Spanning Tree STP/RSTP/MSTP BPDU Filtering/Guard TC/Root Protect Loop back detection 802.3x Flow Control
VLAN	Supports up to 4K VLANs simultaneously IEEE 802.1Q VLAN/MAC VLAN/Protocol VLAN/QinQ/Private VLAN/GVRP
Security	IP-MAC-Port-VID Binding IEEE 802.1X AAA Radius/Tacacs+ Authentication and Accounting DoS Defence Dynamic ARP inspection (DAI) IP Source Guard SSH v1/v2 SSL v2/v3/TLSv1 Port Security Access Control list Broadcast/Multicast/Unknown-unicast Storm Control
L3 Features	Wire-speed IP forwarding Static Routing RIP v1, v2 OSPF v2 ECMP PIM-SM/PIM-DM/IGMP DHCP Server/Relay ARP Proxy VRRP
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) DHCP/BOOTP Client, DHCP Snooping, DHCP Option82 CPU Monitoring Port Mirroring Time Setting: SNTP Firmware Upgrade: TFTP & Web SYSLOG & Public MIBS Dual Image IPv6 Management

OTHERS

Certification	CE, FCC, RoHS
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OTHERS

Package Contents	Switch; Power Cord; Quick Installation Guide; Resource CD; Rackmount Kit; Rubber Feet
System Requirements	Microsoft® Windows® 98SE, NT, 2000, XP, Vista™ or Windows 7/8, 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