

HARDWARE FEATURES

Standards and Protocols	IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE802.3z, IEEE 802.3ae, IEEE 802.3ad, IEEE 802.3x, IEEE 802.1d, IEEE 802.1s, IEEE 802.1w, IEEE 802.1q, IEEE 802.1x, IEEE 802.1p
Interface	24 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 10G SFP+ Slots) 1 Console Port
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	4
Physical Security Lock	No
Power Supply	100~240VAC, 50/60Hz
Dimensions (W x D x H)	17.32*13*1.73 in.(440*330*44 mm)
Mounting	Rack Mountable
Max Power Consumption	63W (220V/50Hz)
Max Heat Dissipation	214.69 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 128Gbps for a standalone switch
Bandwidth/Backplane	Up to 320Gbps when 8 units in the stack
Packet Forwarding Rate	Up to 95.2Mpps for a standalone switch
MAC Address Table	32K
Packet Buffer Memory	16 Mbits
Jumbo Frame	10240 Bytes
Number of Routes	12K

PERFORMANCE

Number of Static Routes	256
Number of IP Interfaces	128

SOFTWARE FEATURES

Basic L3 Features	Wire-speed IP forwarding Static Routing RIP v1, v2 DHCP Server/Relay
Advanced L3 Features (License Required)	OSPF v2 ECMP PIM-SM/PIM-DM/IGMP ARP Proxy VRRP
Quality of Service	Support 802.1p CoS/DSCP priority Support 8 priority queues Queue scheduling: SP, WRR, SP+WRR Port/Flow- based Rate Limiting Voice VLAN
L2 Features	IGMP Snooping V1/V2/V3 802.3ad LACP (Up to 32 aggregation groups, containing 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 (out of 4K VLAN IDs) IEEE 802.1Q VLAN/MAC VLAN/Protocol VLAN/QinQ/Private VLAN/GVRP
Access Control List	L2 ~ L4 package filtering based on source and destination MAC address, IP address, TCP/UDP ports, 802.1p, DSCP, protocol and VLAN ID Time Range Based
Security	IP-MAC-Port-VID Binding IEEE 802.1X Port/MAC Based authentication, Radius, Guest VLAN DoS Defence Dynamic ARP inspection (DAI) SSH v1/v2 SSL v2/v3/TLSv1 Port Security Broadcast/Multicast/Unknown-unicast Storm Control
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 Integrated NDP/NTDP feature Firmware Upgrade: TFTP & Web System Diagnose: VCT SYSLOG & Public MIBS Dual Image

OTHERS

OTHERS

Certification	FCC, RoHS
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