



LS3-12XS

12*SFP+ L3 Managed Switch



Overview

Dimensions	300 mm x 232 mm x 44 mm (11.81 in. x 9.13 in. x 1.73 in.)	
Weight	3.04 kg (6.7 lbs) (with packaging materials) 2.26 kg (4.98 lbs) (without packaging materials)	
Port Specifications	Total number of RJ45 ports	-
	Total number of optical ports	12
	Number of 1GE combo ports	-
	Number of 1GE SFP ports	-
	Number of 10GE SFP+ ports	12
	Number of 10/100BASE-T ports	-
	Number of 10/100/1000BASE-T ports	-
	Number of 10/100/1000/2500BASE-T ports	-
	Number of 100/1000/2.5G/5G/10GBASE-T ports	-
PoE Specifications	Number of PoE/PoE+ Out ports	-
	Number of PoE/PoE+/PoE++ Out ports	-
	PoE budget	-
	PoE power pins	-
Enclosure Material	Metal	
Mounting Type	Rack/Desk	
Warranty	3 years	
Hardware		
System Specifications	Switching capacity	240 Gbps(bit/s)

Overview

	Forwarding rate	178.56 Mpps
	Buffer size	16 Mbit
	CPU	single-core processor, 1 GHz clock frequency
	RAM	1 GB
	Flash memory	256 MB
System Performance Capacity	Recommended camera limit	200 W H265: 400 400 W H265: 200
Power supply and Consumption	Power Method	220 V AC power supply: • Rated input voltage: 100 V AC to 240 V AC, 50/60 Hz • Maximum input voltage: 90 V AC to 264 V AC, 47 Hz to 63 Hz • Maximum input current: 2 A
	Max. Power Consumption	44 W
	Heat Dissipation	150.48 BTU/hr (220V/50Hz)
Environment and Reliability	Surge protection	Service port: ± 6 kV for common mode Power connector: ± 6 kV for both common mode and differential mode
	Operating temperature	0°C to +50°C (32°F to 122°F)
	Storage temperature	–40°C to +70°C (–40°F to +158°F)
	Operating humidity	10% RH to 90% RH (non-condensing)
	Storage humidity	5% RH to 95% RH (non-condensing)
	Fan	2 x fixed fans
	Cooling	Air cooling, left-to-right airflow
	Altitude	Operating altitude: –500 m to +5,000 m (–1,640.42 ft. to +16,404.20 ft.)

Overview

		Storage altitude: –500 m to +5,000 m (–1,640.42 ft. to +16,404.20 ft.)
	MTBF	400,000 hours
	ESD protection	Contact discharge: 6 kV Air discharge: 8 kV

Software

Ethernet Switching	Maximum number of VLANs	4094
	Maximum number of MAC address entries	32000
	Interface flow control	Yes
	MAC address-based VLAN	No
	IP subnet-based VLAN assignment	No
	Port-based VLAN	Yes
	IEEE 802.1Q VLAN	Yes
	Basic QinQ	No
	Voice VLAN	Yes
	STP,RSTP,MSTP	Yes
	LLDP/LLDP-MED	Yes
	Static MAC address	Yes
	MAC address filtering	Yes
	Static aggregation	Yes
	LACP	Yes
	Inbound or outbound rate limiting based on interface traffic	Yes
IP Service	Maximum number of ARP entries	2000

Overview

	IPv4 routing table size (host route)	12000
	ARP	Yes
	IPv4 ping	Yes
	IPv4 traceroute	Yes
	ICMPv6	Yes
	IPv6 ping	Yes
	IPv6 traceroute	Yes
	DNS client	Yes
	DNSv6 client	Yes
	DHCP relay	Yes
	DHCP server	Yes
	DHCP client	Yes
IP Routing	IPv4 static route	Yes
	Maximum number of IPv4 static routes	500
	IPv6 static route	Yes
	Maximum number of IPv6 static routes	500
	IPv4 routing table size (network route)	12000
	IPv6 routing table size (network route)	500
	OSPFv2	Yes
	OSPFv3	Yes

Overview

Multicast	IGMPv1 snooping	Yes
	IGMPv2 snooping	Yes
	Basic IGMPv3 snooping	Yes
	Full IGMPv3 snooping	Yes
	IGMP filtering	Yes
	IGMPv1, v2, and v3	Yes
ACL and QoS	Standard ACL	Yes
	Extended ACL	Yes
	802.1p priority-based traffic classification	Yes
	DSCP priority-based traffic classification	Yes
	Egress queues based on 802.1p and DSCP priorities	Yes
	Egress queues based on IP precedences	No
	Ingress flow-based rate limiting	No
	Queue scheduling	Yes
	DRR	No
	SP	Yes
	SP+DRR	No
	SP+WFQ	No
	SP+WRR	Yes
	WFQ	No
	WRR	Yes

Overview

	Congestion avoidance: tail drop	Yes
Security	802.1X authentication	Yes
	Inaccessible Authentication Bypass (IAB)	Yes
	MAC address-based 802.1X authentication	Yes
	Port-based 802.1X authentication	Yes
	Authentication, Authorization, and Accounting (AAA)	No
	Radius	Yes
	Port isolation	Yes
	Broadcast storm control	Yes
	Multicast storm control	Yes
	Unknown unicast storm control	Yes
	DHCP snooping	Yes
	IP-MAC-port binding	Yes
	ARP anti-spoofing	Yes
	IP source guard	Yes
	CPU Protection Policy	Yes
Reliability	VCS	Yes
	Number of VCS members	2
	DHCP server hot standby	Yes
	System dual backup	Yes
	Cloud-based auto-recovery	Yes

Overview

	ERPS	Yes:Stand-alone No:Hot standby
	Loop Prevation	Yes
Network Management and Monitoring	Web management	Yes
	Cloud management	Yes
	App management	Yes
	Mirroring	Yes
	Self-Organizing Network	Yes
	Fan speed adjustment	-
	HTTPS login	Yes
	Syslog	Yes
	PoE service failure	Yes
	PoE power overload	Yes
	SNMPv1, v2c, and v3	Yes
	NTP client	Yes
	Camera detection	Yes
Basic Configurations	PoE watchdog	No
	Local upgrade	Yes
	Online upgrade	Yes
Interface	Jumbo frame length (MTU)	9216 bytes (global configuration mode)
	EEE	-
	Cable test	Yes

Compliance and Standard



Overview

Certification and Regulatory Compliance	NDA Complain	Yes
	EMC	For Canada: ICES-003 Issue 7 For United States: FCC 47 CFR Part 15 Subpart B For India TEC Certification: TEC/SD/DD/EMC-221/05/OCT-16, IEC 61000-4-5:2014+AMD1:2017, IEC 61000-4-6:2023, IEC 61000-4-4:2012, IEC 61000-4-2:2008, CISPR 32:2015+AMD1:2019, IEC 61000-4-3:2020, IEC 61000-4-11:2020
	Safety	For United States and Canada: UL 62368-1:2019 R10.21 CSA C22.2 No. 62368-1: 2019 For India TEC Certification: IS 13252 (Part 1): 2010+A1: 2013+A2: 2015
	Functional (Only for India TEC Certification)	TEC37942410 and Annexures TO ERs No: TEC/SD/ DD/TCP-222/2.30/Feb 2026
	Certification	FCC, ISED, cTUVus, TEC

Package Contents

Device	Device	1
Manual	User Manual	1
	Warranty Card	1
Accessories	Rubber pad	4
	Power cord retention clip	1



Overview

	Screw	8 M3 x 6 mm cross recessed countersunk head screws
	Grounding cable	1 x 1 m (3.28 ft.)
	Power cord	1 x 1.8 m (5.91 ft.)
	Rack-mount bracket	2

Lysoira



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