



LS2T-8GT2SFP-HP

**8-Port Industrial Layer 2
Managed PoE Switch with 2 x
SFP Ports**



Overview

Dimensions	85 mm x 132 mm x 165 mm (3.35 in. x 5.2 in. x 6.5 in.)	
Weight	1.91 kg (4.21 lbs) (with packaging materials) 1.42 kg (3.13 lbs) (without packaging materials)	
Port Specifications	Total number of RJ45 ports	8
	Total number of optical ports	2
	Number of 1GE combo ports	-
	Number of 1GE SFP ports	2
	Number of 10GE SFP+ ports	-
	Number of 10/100BASE-T ports	-
	Number of 10/100/1000BASE-T ports	8
	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	8
	Number of PoE/PoE+/PoE++ Out ports	-
	PoE budget	240 W
	PoE power pins	1–2 (+), 3–6 (-)
Enclosure Material	Metal	
Mounting Type	DIN rail/Wall	

Overview		
Warranty	3 years	
Hardware		
System Specifications	Switching capacity	20 Gbps (bit/s)
	Forwarding rate	14.88 Mpps
	Buffer size	4.1 Mbit
	CPU	single-core processor, 500 MHz clock frequency
	RAM	256 MB
	Flash memory	16 MB
System Performance Capacity	Recommended camera limit	200 W H265: 80 400 W H265: 40
Power supply and Consumption	Power Method	DC power input: Rated input voltage: 12 V DC to 56 V DC Maximum input current: 7 A
	power supply	● DC power adapter ● Power module (Not included / Sold separately)
	Max. Power Consumption	20 W (with no PoE load) 80 W (full-load power when the input power is 12 V to 20 V) 140 W (full-load power when the input power is 21 V to 45 V) 260 W (full-load power when the input power is 46 V to 56 V)
	Heat Dissipation	No PoE load: 68.4 BTU/hr (12 V DC to 56 V DC) Full PoE load: 273.6 BTU/hr (input: 12 V to 20 V) 478.8 BTU/hr (input: 21 V to 45 V) 889.2 BTU/hr (input: 46 V to 56 V)



Overview

Environment and Reliability	Surge protection	Service port: ± 6 kV for common mode Power connector: ± 4 kV for common mode and ± 2 kV for differential mode
	IP rating	IP40
	Operating temperature	-40°C to +65°C (-40°F to 149°F) (installed in a sealed cabinet) -40°C to +70°C (-40°F to 158°F) (installed in a fume hood with a ventilation speed of at least 80LFM (Line Feet Minute)) -40°C to +75°C (-40°F to 167°F) (installed in a fume hood with a ventilation speed of at least 200LFM (Line Feet Minute)) -40°C to +80°C (-40°F to 176°F) (installed in a fume hood with a ventilation speed of at least 400LFM (Line Feet Minute))
	Storage temperature	-40°C to +75°C (-40°F to +167°F)
	Operating humidity	5% RH to 95% RH (non-condensing)
	Storage humidity	5% RH to 95% RH (non-condensing)
	Fan	Fanless design
	Cooling	Natural cooling
	Altitude	Operating altitude: -500 m to +5,000 m (-1,640.42 ft. to +16,404.20 ft.) 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



Overview

Ethernet Switching	Maximum number of VLANs	4094
	Maximum number of MAC address entries	8000
	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	1000
	IPv4 routing table size (host route)	-
	ARP	Yes
	IPv4 ping	Yes

Overview

	IPv4 traceroute	Yes
	ICMPv6	Yes
	IPv6 ping	Yes
	IPv6 traceroute	Yes
	DNS client	Yes
	DNSv6 client	Yes
	DHCP relay	No
	DHCP server	No
	DHCP client	Yes
IP Routing	IPv4 static route	No
	Maximum number of IPv4 static routes	-
	IPv6 static route	No
	Maximum number of IPv6 static routes	-
	IPv4 routing table size (network route)	-
	IPv6 routing table size (network route)	-
	OSPFv2	No
	OSPFv3	No
Multicast	IGMPv1 snooping	Yes
	IGMPv2 snooping	Yes
	Basic IGMPv3 snooping	Yes
	Full IGMPv3 snooping	No



Overview

	IGMP filtering	Yes
	IGMPv1, v2, and v3	No
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
	Congestion avoidance: tail drop	Yes
Security	802.1X authentication	Yes

Overview

	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	No
	Number of VCS members	-
	DHCP server hot standby	-
	System dual backup	No
	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	No
	PoE power overload	No
	SNMPv1, v2c, and v3	Yes
	NTP client	Yes
	Camera detection	Yes
Basic Configurations	PoE watchdog	Yes
	Local upgrade	Yes
	Online upgrade	Yes
Interface	Jumbo frame length (MTU)	9216 bytes (global configuration mode)
	EEE	Yes
	Cable test	Yes

Compliance and Standard



Overview

Certification and Regulatory Compliance	NDAAs Complain	Yes
	EMC	For Canada: ICES-003 Issue 7 For United States: FCC 47 CFR Part 15 Subpart B
	Safety compliance	For United States and Canada: UL 62368-1:2019 R10.21
	Certification	FCC, ISED, cTUVus

Package Contents

Device	Device	1
Manual	User Manual	1
	Warranty Card	1
Accessories	Rubber pad	-
	Power cord retention clip	-
	Screw	4 M3 x 6 mm cross recessed countersunk head screws
	Grounding cable	-
	Power cord	-
	Rack-mount bracket	2



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