



KSM Solutions Industrial Grade Managed Ethernet Switch (L4T2-SFP)

Product Description

Industrial managed switches provide a wider range of features more suited to an industrial environment including wider high/low temperatures, lightning protection, fan less cooling circuitry design, and other improved levels of protection. In addition they offer more integrated range of functions such as switching and security management. These units fully support public Ethernet Ring Protocol (ERPS), greatly improving the network performance and availability further enhancing reliability and network security.

Key Features

Product	Description
L4T2-SFP	Downlink : 4 x 10/100/1000Base-T Ethernet Ports Uplink: 2 x 1000BASE-X SFP Wide range DC power voltage supply, reverse link protection Forward performance: 8.93Mpps Switch capacity: 12Gbps



General Features

ERPS Ring provides high network availability.

Establishing an Ethernet ring network through the ERPS protocol can simplify deployment and eliminate redundant links. When device links break, hang or become faulty, reconnections are established quickly (less than 50ms), ensuring uninterrupted services ensuring high network availability.

The units supports one-click ring network set up.

Fan less design

Fan less design circuitry allows the nits to run silently whilst reducing the over all power consumption of the device.

Power redundancy protects the network stability

Wide voltage DC power supply 12VDC to 48VDC, reverse link protection, power over-voltage protection and Ampere current protection.

Dual power supply redundancy (for power surge, enabling the device stability reducing network disconnection). Improving network availability and reliability.

Industrial grade component, suitable for harsh environments

The operating temperature range is -40 ° C to 85 ° C, Relative humidity range is 5% to 95% without condensation.

Dust protected, inbuilt lightning protection, surge protection, EFT, ESD.

Unblocked packets provides high speed forwarding

All ports provide the Gigabit-speed switching capability based on Layer 2, ensuring wire speed forwarding on all ports.

Supports up to 8K/16K MAC addresses, allowing multiple user expansion headroom.

Simple network management configuration.

- Supports WEB management with as easy-to-use operational interface, simple to configure and easy to view device operational status information.
- Supports CLI, Telnet, SNMP and other management protocols.

Power over ethernet (PoE)

Optional Power over Ethernet: Supports the IEEE 802.3AF / IEEE 802.3AT standards.

Can provide up to 30W power supply capacity.

Optional Serial Data Function

The Serial Server SS option module provides two RS-485 or RS-232 interfaces. It provides data conversion between the downstream serial port and the upstream Ethernet optical port.

The Optical Bypass OB function allows the two optical ports to be connected when the equipment is powered off.



Service Features

Subsystem	Item	L4T2-SFP
Layer 2 Features	Link Aggregation	Static aggregation; Dynamic aggregation, LACP
	Port Features	IEEE 802.3x flow control; Interface counters storm control
	Mac-address table	IEEE 802.1q; Static mac-address; Dynamic mac-address; Filtering mac-address; SVL
	VLAN	4094 VLANs; Port-based VLAN; Access port, trunk port, hybrid port
	Mirror	Port-based mirror; Ingress VLAN-based mirror; Ingress flow-based mirror
	Spanning Tree	STP; RSTP; MSTP
	ERPS(G.8032)	Single ring, Multiple rings Multiple instances
	Port Isolate	Support
	IGMP Snooping	IGMP V1 Snooping; IGMP V2 Snooping; IGMP V3 Snooping; IGMP Fast Leave; Static L2MC entry
	Security Features	Dot1X
Management Features	User management	Password protection
	SNMP	SNMPV1 SNMPV2C; SNMPV3
	RMON	Statistics; History; Alarm; Event
	Web management	Web management; HTTP 1.1
	Firmware Upgrade	Support
	Syslog	Support
	IPV4/IPV6	IPV4; IPV6
	POE	IEEE802.3AF; IEEE802.3AT
	Diagnosis	Ping(ipv4); Ping(ipv6); Traceroute(ipv4); Traceroute(ipv6)
	Application Features	NTP
Telnet		Telnet Server
TFTP		TFTP Client

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Specifications & Dimensions

Parameters

Downlink	4 * 10/100/1000Base-T Ethernet Ports
Uplink	2 * 1000Base-X SFP
Serial port	NA
Power	Dual power redundancy
MAC address	8K
Buffer(bits)	1Mbps
Dimensions (W x D x H, mm)	125mm x 95mm x 45 mm
Weight	0.78Kg
Power Protection	Reverse link protection, voltage and current level protection
Input voltage	DC:12V~54V
Power consumption	< 15W(Non PoE)
Operating environment	-40°C~+85°C 5% to 95% (non-condensing)
Heat dissipation	Fan less, Silent operation
DIP switch	One Key Ring
Installation	DIN/Bracket
IP level	IP40
Surge	IEC 61000-4-5 Level 4
EFT	IEC 61000-4-4 Level 4
ESD	IEC 61000-4-2 Level 4
Warranty	1 year

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