8 PORT 1000M POE + 24*10/100/1000M SFP PORT + 4*10G (SFP+) FIBER PORT MANAGED ETHERNET SWITCH: (KL-S8P24S-GE)

DESCRIPTION:

The KL-S8P24S-GE is a L2+ managed core POE switch with 8*10/100/1000M POE RJ45 ports +24*100M/1000M SFP slot ports +4*10G SFP+ slot ports. KL-S8P24S-GE support static routing forwarding, support complete security protection mechanism, perfect ACL/QoS strategy and rich VLAN function, easy to manage and maintain. Support multiple network redundancy protocols STP/RSTP/MSTP (<50ms) and (ITU-T G.8032) ERPS to improve link backup and network reliability. When one-way network fails, communication can be recovered quickly to ensure uninterrupted communication of important applications. According to the actual application needs, through Web network management mode, PoE power management, port traffic control, VLAN partition, SNMP and other functions of a variety of application business configuration.

PRODUCT DETAILS:

- 8*10/100/1000M POE RJ45 ports+24*1000M SFP fiber port+4*10G(SFP+) fiber ports Managed Ethernet Convergence/Core switch;
- Bandwidth:598Gbps, Packet forwarding cache:32M;
- Support QOS, STP/RSTP, IGMP, DHCP, SNMP, WEB, VLAN, ERPS etc.;
- Support spanning tree STP(802.1D) and RSTP(802.1W);
- Compatible with 1U rack, built-in internal power adapter;
- 3 years warranty.

TECHNICAL SPECIFICATIONS:

Model	KL-S8P24S-GE
Interface	8*10/100/1000M RJ45 ports (Data & power); 24*100/1000M SFP ports (Data); 4*1/10G SFP+ uplink fiber ports (Data)
Network Managed Tape	L2+
Network Protocol	IEEE802.3 10BASE-T; IEEE802.3i 10Base-T; IEEE802.3u 100Base-TX; IEEE802.3ab 1000Base-T; IEEE802.3z 1000Base-LX/SX/CX; IEEE802.3ae 10GBase-SR/LR; IEEE802.3x

Ethernet Port Feature	Port1-8 10/100/1000Base-T, auto-sensing, full/half duplex MDI/MDI-X self-adaption
SFP Port Characteristic	Gigabit/10 Gigabit SFP fiber interface, default matching fiber modules, need to buy separately, (optional single-mode/multi-mode, single fiber / dual fiber module, LC)
Forwarding Mode	Store and Forward (Full Wire Speed)
Switching Capacity	598Gbps
Forwarding Rate@64byte	107.14Mpps
MAC Address Table	32K
Buffer Memory	32M
Twisted Pair Transmission	10BASE-T: Cat3,4,5 UTP (≤100 meter) ;100BASE-TX: Cat5 or later UTP (≤100 meter) ;1000BASE-T: Cat6 or later UTP (≤100 meter)
Optical cable	Multi-mode:850nm 0~300M(10G),850nm 0~550M (1.25G) Single-mode:1310nm 0~40KM,1550nm 0~120KM.
Total PWR / Input Voltage	120W/(AC100-240V)
Power Consumption	Standby:<10W; full load:<40W
LED	Power indicator: PWR (yellow), System indicator: SYS (yellow), Network indicator: Link/Act (yellow), fiber port: L/A(green)
Reset switch	Support one key to restore factory settings
Power Supply	Built-in power supply; AC:100 ~240V 50-60Hz
Operation TEMP / Humidity	-20~+55°C;5%~90% RH Non condensing
Storage TEMP / Humidity	-40~+80°C;5%~95% RH Non condensing
Dimension(L*W*H)	440*290*44.5mm
Net /Gross Weight	<4kg /<5kg
Installation Method	Desktop.19-inch 1U cabinet installation
Anti-surge / Protection Level	Anti-surge: 4KV 8/20us; Protection Level: IP30
Warranty	3 years
Interface	IEEE802.3x flow control (full duplex) Broadcast storm suppression for port rate support speed limit for incoming and offline message traffic, with a minimum particle size of 64Kbps. Temperature protection setting Energy saving configuration of port EEE Ethernet
Layer3 Function	L2+ network management function layer3 software is non line speed forwarding, supporting different network segments communication between different VLAN

	Static routing / default routing, 128 maximum entries ARP protocol, 1024 maximum entries
VLAN	Support port based VLAN (4K), IEEE802.1q Support protocol based VLAN Support Access, Trunk, Hybrid three types of port configuration Support QinQ configuration
Port Aggregation	Support LACP Support static polymerization Support the largest 8 aggregation groups; each aggregation group supports 8 ports.
Spanning Tree	STP(IEEE802.1d) RSTP(IEEE802.1w) MSTP(IEEE802.1s)
Industrial Ring Network Protocol	Support G.8032 (ERPS), support 255 loops at most, and supports 1024 devices per ring. The self-healing time of the ring network is less than 20ms
Multicast	Support IGMP Snooping V1/V2 and support 1024 multicast groups at most. Support the user's quick departure mechanism Support MLD Snooping V1/V2 Support multicast VLAN
Image	Bi-directional traffic mirroring supporting the basic port
QoS	Diff-Serv QoS Each port supports 8 output queues Support 802.1p/DSCP priority mapping Support queue scheduling mechanism (SP, WRR, SP+WRR) priority tag Mark/Remark stream based packet filtering Support for stream-based redirection Support flow-based speed limit
ACL	Support L2 to L4 packet filtering function, can match the first 80 bytes of the message, provide based on the source MAC address, destination MAC address, source IP address, destination IP address, IP protocol type, TCP/UDP port, TCP/UDP port range, VLAN and other definition ACL. Support ACL based on port and VLAN
Safety Characteristics	Support user grading management and password protection Support IEEE802.1X authentication / centralized MAC address authentication Support AAA&RADIUS authentication Support the number of MAC address learning restrictions Support MAC address black hole Support SSH 2 to provide secure passwords for user login. Support SSL to ensure data transmission security Support port isolation Support the speed limit function of ARP message Support IP source address protection Support ARP intrusion detection function Support against DoS attacks Support port broadcast message suppression Support host data backup mechanism Binding capabilities of IP+MAC+VLAN+ ports
DHCP	DHCP Client DHCP Snooping
System Requirements	Web browser: Mozilla Firefox 2.5 or higher, Google browser chrome V42 or higher, Microsoft Internet Explorer10 or later;

	5 types and above Ethernet cable; TCP/ IP, network adapter and network operating system (such as Microsoft Windows, Linux or Mac OS X) are installed on computers in the network.

DIMENSIONS:
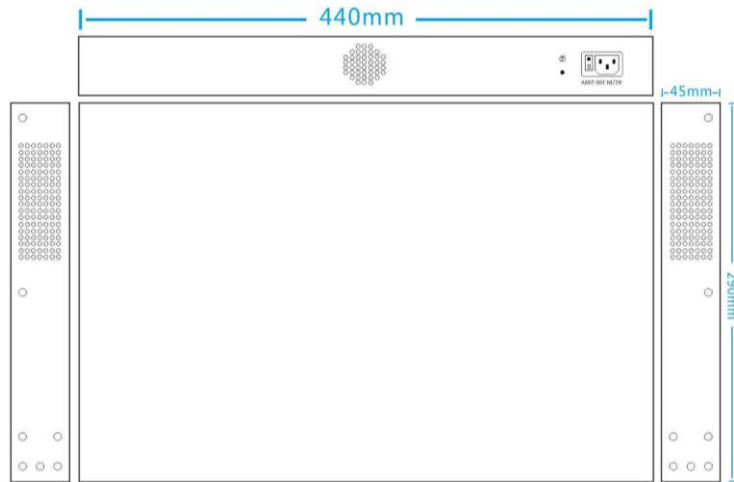
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