

**24 PORT 10/100/1000M + 8*GF SFP+ 4*10G (SFP+) FIBER PORT
MANAGED ETHERNET SWITCH:
(KL-S24E8S-GE)**



DESCRIPTION:

The KL-S24E8S-GE is a 10G uplink managed Ethernet switch. It has 24*10/100/1000Base-T RJ45 ports and 8*100/1000Base-X SFP fiber slot ports and 4*1/10G SFP+ fiber slot ports.

The KL-S24E8S-GE has the L2+ full network management function, supports IPV4/IPV6 management, supports static route full line rate forwarding, supports complete security protection mechanism, complete ACL/QoS policy and rich VLAN functions, and is easy to manage and maintain. Supports 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 quickly restored to ensure important uninterrupted communication for applications. According to the actual application requirements, you can configure multiple application services such as PoE power management, port traffic control, VLAN division, and SNMP through the Web network management mode.

PRODUCT DETAILS:

- 24*RJ45 10/100/1000M + 8GF SFP + 4*10G(SFP+) fiber ports Managed Ethernet Switch;
- All series supports "Gigabit Ethernet port and 10G SFP+ uplink port "combination, which enables users to flexibly build networking to meet the needs of various scenarios;
- Switching capacity:598Gbps, MAC table:32K;
- Compatible with 1U rack, built-in internal power adapter;
- 3 years warranty.

TECHNICAL SPECIFICATIONS:

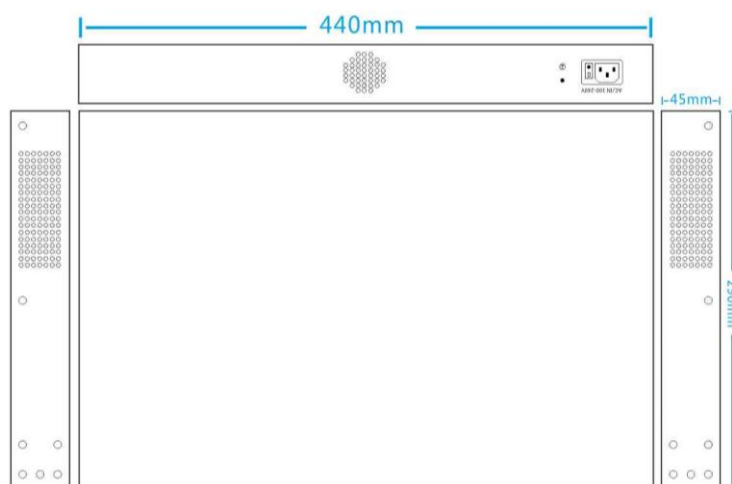
Model	KL-S24E8S-GE
Interface	24*10/100/1000Base-T PoE ports (Data/Power) 8*100/1000Base-X SFP fiber slot ports (Data) 4*1/10G uplink SFP+ fiber slot ports (Data) 1*Console RS232 port (115200, N,8,1)

Managed Type	L2+	
Network Protocol	IEEE802.3 10BASE-T; IEEE802.3i 10Base-T; IEEE802.3u 100Base-TX; IEEE802.3ab 1000Base-T; IEEE802.3z 1000Base-X; IEEE802.3ae 10GBase-SR/LR; IEEE802.3x	
Ethernet Port Feature	Port 1-24 can support 10/100/1000BaseT(X) auto detect, full/half duplex MDI/MDI-X adaptive	
Fiber Port Feature	10G SFP fiber interface (Fiber module is not included, need to order separately, module options include single/multi-mode, single/dual fiber, LC)	
Forwarding Mode	Store and Forward (Full Wire Speed)	
Switching Capacity	598Gbps (non-blocking)	
Forwarding Rate@64byte	107.14Mpps	
MAC	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: Cat5e or later UTP (≤100 meter)	
Optical Fiber Cable	Multi-mode:850nm 0~300M(10G) ,850nm 0~500M (1.25G); Single-mode:1310nm 0~40KM,1550nm 0~120KM.	
Power Supply Pin	Default: 1/2(+),3/6(-)	
Power Supply	Built-in power supply, AC 100~240V 50-60Hz 5A	Built-in power supply, AC 100~240V 50-60Hz 6.6A
LED Indicator	Power indicator:PWR(yellow); system indicator:SYS(yellow); Network indicator;Link(yellow); PoE indicator: PoE (green); Fiber port indicator L/A(green)	
Reset Button	Support one key to restore factory settings	
Operation TEMP/Humidity	-20~+55°C;5%~90% RH Non condensing	
Storage TEMP /Humidity	-40~+80°C;5%~95% RH Non condensing	
Lightning protection / Protection Level	Lightning protection :4KV 8/20us; Protection Level: IP30	
Dimension (L*W*H)	440*290*44.5mm	
Net /Gross Weight	<4.6kg / <5.5kg	<5.5kg / <6.5kg
Installation	Desktop, 19-inch 1U cabinet	
Lightning protection / protection level	Lightning protection: 4KV 8/20us; Protection level: IP30	
Warranty	3 years	

Managed Series Feature	
Interface	<p>IEEE802.3x flow control (full duplex)</p> <p>Broadcast storm suppression for port rate</p> <p>support speed limit for incoming and offline message traffic, with a minimum particle size of 64Kbps.</p> <p>Temperature protection setting</p> <p>Energy saving configuration of port IEEE Ethernet</p>
Layer3 Function	<p>Support L2+ managed function,</p> <p>Support IPV4/IPV6 management</p> <p>Support layer3 soft routing (weak three tier) forwarding,</p> <p>Support different network segments, communication between different VLAN</p> <p>Support static routing / default routing 128, 1024 ARP software forwarding</p>
VLAN	<p>Support port based VLAN (4K), IEEE802.1q</p> <p>Support protocol based VLAN</p> <p>Support Access, Trunk, Hybrid three types of port configuration</p> <p>Support QinQ configuration</p>
Port Aggregation	<p>Support LACP</p> <p>Support static polymerization</p> <p>Support the largest 8 aggregation groups, each aggregation group supports 8 ports.</p>
Spanning Tree	<p>STP (IEEE802.1d)</p> <p>RSTP (IEEE802.1w)</p> <p>MSTP (IEEE802.1s)</p>
Industrial Ring Network Protocol	<p>Support G.8032 (ERPS), support 255 loops at most, and supports 1024 devices per ring.</p> <p>The self-healing time of the ring network is less than 20ms</p>
Multicast	<p>Support IGMP Snooping V1/V2 and support 1024 multicast groups at most.</p> <p>Support the user's quick departure mechanism</p> <p>Support MLD Snooping V1/V2</p> <p>Support multicast VLAN</p>
Image	<p>Bi-directional traffic mirroring supporting the basic port</p>
QoS	<p>Diff-Serv QoS</p> <p>Each port supports 8 output queues</p> <p>Support 802.1p/DSCP priority mapping</p> <p>Support queue scheduling mechanism (SP, WRR, SP+WRR)</p> <p>priority tag Mark/Remark</p> <p>stream based packet filtering</p> <p>Support for stream-based redirection</p> <p>Support flow-based speed limit</p>
ACL	<p>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.</p> <p>Support ACL based on port and VLAN</p>
Safety Characteristics	<p>Support user grading management and password protection</p> <p>Support IEEE802.1X authentication / centralized MAC address authentication</p> <p>Support AAA&RADIUS authentication</p> <p>Support the number of MAC address learning restrictions</p> <p>Support MAC address black hole</p> <p>Support SSH 2 to provide secure passwords for user login.</p> <p>Support SSL to ensure data transmission security</p> <p>Support port isolation</p>

	<p>Support the speed limit function of ARP message</p> <p>Support IP source address protection</p> <p>Support ARP intrusion detection function</p> <p>Support against DoS attacks</p> <p>Support port broadcast message suppression</p> <p>Support host data backup mechanism</p> <p>Binding capabilities of IP+MAC+VLAN+ ports</p>
DHCP	<p>Support DHCP Client</p> <p>Support DHCP Snooping</p> <p>Support DHCP Serve</p> <p>Support DHCP Relay</p>
Management and Maintenance	<p>Support Console/AUX Modem/Telnet/SSH2.0 CLI command line configuration</p> <p>Support WEB network management (HTTPS)</p> <p>Support FTP, TFTP, Xmodem, SFTP file download management</p> <p>Support SNMP V1/V2C/V3</p> <p>Support one bond reduction</p> <p>Support NTP clock</p> <p>Support system work log</p> <p>Support Ping detection</p> <p>Support cable state detection</p> <p>Support CPU instant utilization status view</p> <p>Support link layer discovery protocol LLDP</p> <p>Support NMS intelligent management center</p>
System Requirements	<p>Web browser: Mozilla Firefox 2.5 or higher, Google browser chrome V42 or higher, Microsoft Internet Explorer10 or later;</p> <p>Cat5e or later Ethernet cable;</p> <p>TCP/ IP, network adapter and network operating system (Microsoft Windows, Linux or Mac OS X) installed on every computer in the network.</p>

DIMENSIONS:



HEAD QUARTERS:

BARTYCKA 22B M21A 00-716
 WARSZAWA, POLAND.

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