KGS-2423

Product Highlights:

- Web/CLI/SNMP/SSH/HTTPS /CLI switch stack management
- IPv6 support
- 802.1Q Tagged VLAN
- Comprehensive QoS
- STP/RSTP/MSTP support
- Variety of security features
- ACL configuration
- IGMP snooping
- PoE/PoE+ PSE option

KGS-2423 Combo Ports

Stacking Ports

19" Rack Mounting

Wall Mounting

Managed 24-Port Stackable L2 Gigabit Ethernet Switches with 4 SFPs and 24 PoE+ PSE Ports

The managed 24-port Stackable Gigabit Ethernet Switches are standard L2 switches that meets all IEEE 802.3/u/x/z Gigabit, Fast Ethernet specifications. The switch has 20 10/100/1000Mbps copper ports and 4 combo ports with four additional Gigabit SFP slots. The SFP slots support standard SFP fiber optical transceivers for fiber optic application.

To expand the number of the connected users, the switch provides two 5G stack ports for cascading more than one switch together. Up to five switches are allowed to cascade as one single switch stack that is able to support 120 users and 20 fiber connections. The stack can also be managed with a single IP address and as a single entity for greater management simplicity. For more and more Power over Ethernet applications, the switch provides optional PoE function on all copper ports. With PoE function, the ports can deliver power to the connected powered devices over Cat.5.

The switches support Telnet CLI, Web GUI, SNMP and console CLI interface for switch stack management. The network administrator can logon the switch to monitor and configure port operating mode, Quality of Service, and powerful L2 switching functions such as VLAN, IGMP, RSTP etc. In addition, the switches are also featured with powerful security functions such as SSH, HTTPS, IEEE 802.1x & MAC-based authentication, and ACL control to make them suitable for office core applications.

Key Features:

- Provides 24 10/100/1000Mbps RJ-45 and four Gigabit SFP slots (4 combo ports)
- Provides optional 24 802.3af and 802.3at compliant PoE/PoE+ PSE ports
- Provides two 5G stack ports for stacking multiple switches and single point of management
- All copper ports support auto-negotiation and auto-MDI/MDI-X detection
- The SFP slots support 1000BASE-X SFP transceivers
- Supports Gigabit full wire speed forwarding
- Supports power saving mode when port link up or down.
- Supports 802.3x flow control for full-duplex and backpressure for half-duplex
- Supports console and in-band Web/Telnet/SSH/HTTPS/SNMP/CLI interfaces for stack switch management with single IP
- Supports configurable maximum frame length from 1518 up to 9600 jumbo frame
- Supports port-based ,802.1Q tag-based VLAN and private VLAN
- Provides QoS function
- Supports port bandwidth control for ingress and egress
- Supports packets storm control function for broadcast, unicast and multicast
- Supports MAC address learning, ageing and filtering control
- Supports static and LACP port link aggregation
- Supports IEEE 802.1d, 802.1w, 802.1s STP (Spanning Tree Protocol), RSTP, MSTP
- Provides port mirroring function
- Supports IPv6 configuration
- Provides IP Multicasting with IGMP snooping function
- Supports DHCP client for dynamic IP configuration
- Provides DHCP snooping and relay function
- Supports 802.1X port-based radius authentication for access security
- Provides ACL filtering function
- Provides port data rate control function

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AC Power Option

DC Power Option

PoE DC IN

Ordering Information:

Model	Power	PoE
KGS-2423-S	AC Power	-
KGS-2423-PS	AC Power	v
KGS-2423-D	DC Power	-
KGS-2423-PD	DC Power	v

- Supports SNTP Client
- Supports LLDP
- Provides SNMP v1/v2C/v3 agent and event trap function
- Supports Configuration download and upload
- Supports SFP with Digital Diagnostic Monitoring DDM support
- Supports Green Ethernet power saving
- Both AC powered model and DC powered model are available for choice

Specifications:

Standard	IEEE 802.3, 802.3ab, 802.3z, 802.3x, 802.3af, 802.3at, 802.1x, 802.1w, 802.1D, 802.1Q
Network Ports	20 10/100/1000Mbps Gigabit copper ports 4 combo ports - 10/100/1000Mbps copper & 1000M fiber SFP
Copper Ports	Shielded RJ-45, 10/100/1000Mbps, auto-negotiation, auto-MDI/MDI-X support
SFP Slots	SFP connector for 1000M SFP fiber transceiver modules, auto-negotiation, Digital Diagnostics Monitoring DDM support
Stack Ports	Aggregated 10Gbps bandwidth 2 HDMI connectors Up to 5 switches in one stack
Network Cables	10/100/1000Mbps copper: Cat.5, 5e or higher up to 100 meters 1000BASE-X: 62.5/125µm, 50/125µm MM fiber, 9/125µm SM fiber
MAC Addresses	Table with 8K entries
Power over Ethernet	Optional PSE function on all copper ports IEEE 802.3af (PoE) and 802.3at (PoE+) compliant
LED Indication	Per unit: Power, Mngt, SA, SB , Per port: Speed/Link/Activity/PoE Status Per SFP status: Fiber selected
PoE Power Input	Screw type terminal block PoE Voltage range: +45 ~ +57VDC for support Type 1 PDs PoE+ Voltage range: +51 ~ +57VDC for support Type 1 & 2 PDs Power: 720W max. Current: 13.3A max.@DC IN +54V
Link Aggregation	The number of local trunk groups : 12 in one switch Member ports of local trunk group in same switch unit : 16 Global trunk groups in a stack : 2 max. Members of aggregated ports per global trunk group : 8 port in a stack
AC Power Input	IEC320 receptacle, Operating voltage range: +100 ~ 240VAC
DC Power Input	Screw type terminal block, Operating voltage range: +/- 40 ~ 72VDC
Power Consumption	39W max. (Not including PoE)
Housing	Enclosed metal with fan
Dimension	443 x 245 x 43 mm (WxDxH)
Mounting Support	19" rack and wall mountable
Environment	Operating Temperature: -5°C ~ +40°C Storage Temperature: -20°C ~ +85°C Relative Humidity: 10% ~ 90% non-condensing
Approval	FCC Class A, VCCI Class A, CE mark Class A, LVD, TUV IEC60950-1 safety

Ordering Informations:

KPW-1000T-52	1000W Power supply for PoE+, AC110-240V DC52V
KPW-1000T-48	1000W Power supply for PoE, AC110-240V DC48V
KPW-300T-52	300W Power supply for PoE+ AC110-240V DC52V
KPW-300T-48	300W Power supply for PoE, AC110-240V DC48V

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