KGS-1620, KGS-2421

Managed 16/24-Port 10/100/1000Mbps L2 Gigabit Ethernet Switches with 4 SFPs

Product Highlights:

- 16/24-Port Managed Gigabit switch
- 4 Combo RJ-45/SFP ports
- Web/CLI/SNMP/SSH/HTTPS support
- 802.1Q Tagged VLAN
- Comprehensive QoS
- RSTP support
- 802.1X access control
- ACL configuration
- IGMP snooping

KGS-1620 Combo Ports

KGS-2421 Combo Ports

The 16/24-port Managed Gigabit Ethernet Switches are standard L2 switches that meets all IEEE 802.3/u/x/z Gigabit, Fast Ethernet specifications. The switches have 12/20 10/100/1000Mbps copper ports and 4 combo ports with additional Gigabit SFP slots. The switches support console CLI, Telnet CLI, Web GUI and SNMP interface for switch 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 applications.

Key Features:

- Provides 16/24 10/100/1000Mbps RJ-45 and four Gigabit SFP slots (4 combo ports)
- 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 down or different RJ-45 cable length.
- Supports 802.3x flow control for full-duplex and backpressure for half-duplex
- Supports console and in-band Web/Telnet/SSH/HTTPS/SNMP interfaces for switch management
- 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 LACP port link aggregation
- Supports IEEE 802.1d, 802.1w, 802.1s STP (Spanning Tree Protocol), RSTP, MSTP
- Provides port mirroring function
- Provides IP Multicasting with IGMP Snooping function
- Supports DHCP client for dynamic IP configuration
- Supports 802.1X port-based radius authentication for access security
- Provides ACL filtering function
- Provides port data rate control function
- 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)
- Both AC powered model and DC powered model are available for choice

AC Power Option

DC Power Option

Ordering Information:

Model	Power
KGS-1620-S	AC Power
KGS-1620-D	DC Power
KGS-2421-S	AC Power
KGS-2421-D	DC Power

CE FC

FCC Part 15, Class A
CISPR 22 Class A

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Specifications:

Standard	IEEE 802.3, 802.3ab, 802.3z, 802.3x, 802.1x, 802.1w, 802.1D, 802.1Q
Network Ports	KGS-1620 - 12 10/100/1000Mbps Gigabit copper ports KGS-2421 - 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	1000M SFP connector for 1000M SFP fiber transceiver modules DDM support
Network Cables	10/100/1000Mbps copper: Cat.5 or better up to 100 meters, 1000Base-X: 62.5/125μm, 50/125μm MM fiber, 9/125μm SM fiber
MAC Addresses	Table with 8K entries
LED Indication	Per unit: Power, Mngt, Per port: Speed/Link/Activity Status Per SFP status: Fiber selected
AC Power Input	IEC320 receptacle, Operating voltage range: +100 ~ 240VAC
DC Power Input	Screw type terminal block, Operating voltage range: +/- 40 ~ 72VDC
Power Consumption	KGS-1620: 26W max. KGS-2421: 35W max.
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 ~ +50°C, Storage Temperature: -20°C ~ +85°C Relative Humidity: 10% ~ 90% non-condensing
Approval	FCC Class A, CE mark Class A, IEC60950-1 safety

Application:

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