



KGS-2421



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

Product Highlights:

- 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

Combo Ports



The 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 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 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 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 SNMP 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-2421-S | AC Power |
| KGS-2421-D | DC Power |



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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, 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 |
| 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:

