



KGS-2416



Managed 24-Port Gigabit Ethernet Switch with 16 SFP Fiber Support

Product Highlights :

- 24-Port Managed Gigabit switch
- 8 10/100/1000 copper ports
- 16 mini-GBIC (SFP) ports
- Web/Telnet/SNMP managed
- 802.1Q Tagged VLAN
- L2 to L4 QoS classification
- STP/RSTP support
- 802.1X authentication
- IGMP snooping
- RMON support
- Port data rate control

KGS-2416, a 24-port Managed Gigabit Ethernet Switch, is a standard switch that meets all IEEE 802.3 Gigabit, Fast Ethernet specifications. The switch included 8 10/100/1000Mbps copper ports and 16 Gigabit SFP fiber ports. The switch can be managed through RS-232 serial console port directly or through the switched ports using in-band CLI or Web-based interfaces, associated with SNMP agent. With the provided full management interfaces, the overall network management is enhanced and the network efficiency is also improved to accommodate high bandwidth applications. In addition, the switch also features comprehensive and useful functions such as QoS (Quality of Service), Spanning Tree, 802.1Q VLAN, Port Trunking, Bandwidth Control, Port Security, SNMP/RMON, IGMP Snooping capability via the intelligent software. It is suitable for both metro-LAN and office application.

Key Features:

- Provides 8 auto-negotiation tri-speed Gigabit copper ports
- Provides 16 mini-GBIC fiber ports to support up to 16 Gigabit fiber connections
- Provides non-blocking and wire speed forwarding and filtering
- Supports port-based and 802.1Q tag-based VLAN
- Supports Quality of Service (QoS) based on the information taken from Layer 2 to Layer 4
- Supports IEEE 802.1d Spanning Tree Protocol
- Supports IEEE 802.1w Rapid Spanning Trees Protocol
- Supports 802.1X port-based radius authentication for access security
- Supports IP Multicasting with IGMP Snooping function
- Supports configurable maximum frame length from 1518 up to 9216 jumbo frame
- Supports static and LACP port link aggregation
- Provides port mirroring function
- Provides SNMP event trap function
- Provides event system log function
- Provides port data rate control function
- Supports console and in-band web/telnet/SNMP interfaces for switch management
- Supports SNMP RMON
- Supports TFTP for firmware update and switch configuration file upload/download

Specifications:

Standard	IEEE 802.3, 802.3u, 802.3ab, 802.3z, 802.3x, 802.1Q, 802.1p
Network Ports	8 Gigabit copper ports 16 Gigabit SFP fiber ports
Copper Ports	Shielded RJ-45 connectors 10/100Mbps for full and half duplex 1000Mbps for full duplex Auto-negotiation Auto-MDI/MDI-X crossover function



FCC Part 15, Class A
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SFP Ports	mini-GBIC ports for standard SFP fiber transceivers 1000Mbps for full duplex
Performance	48Gbps Non-blocking switching Wire speed learning and forwarding
Network Cables	10/100Mbps copper: Cat.5 up to 100m 1000Mbps copper: Cat.5e or higher up to 100m Multimode fiber (MMF): 50/125 μ m, 62.5/125 μ m Single fiber (SMF): 9/125 μ m
MAC Address Table	8K entries
Buffer Memory	400KB
VLAN	4096 VLAN support Port based VLAN, 8021Q Tag-based VLAN
QoS	2 priority queues Classification: Port-based, 802.1p, IP TOS, IP DSCP, L4 TCP/UDP Ingress rate control, Egress rate control
Link Aggregation	LACP or static trunking support Trunking groups: 8 max., Ports per group: 12
LED Indication	Per unit: power, CPU Per copper port: Link/activity, Speed status Per SFP port: Link/activity status
Power Supply	100-240VAC, 50/60Hz, Consumption 30W
Dimension	442 x 209 x 44 mm (WxDxH)
Environment	Operating temperature: 0°C ~ 40°C Storage temperature: -20°C ~ 85°C Humidity: 5% ~ 90% non-condensing
Approval	FCC Class A, CE mark Class A