



KGS-510F Ver.D



Managed 6-Port L2 Gigabit Ethernet Switches with 1 dual-speed SFP Slot

Product Highlights:

- Compact design
- Web, telnet, SNMP managed
- SFP dual speed support
- IPv6 support
- RSTP, STP, MSTP support
- IGMP & MLD snooping
- OPA function
- ALS function
- Powerful management support

Key Features:

- 5 10/100/1000Mbps RJ-45 and one dual-speed SFP slot
- All copper ports support auto-negotiation and auto-MDI/MDI-X detection
- The SFP slot supports dual speed for 100BASE-FX and 1000BASE-X SFP transceivers
- Full wire speed forwarding
- Supports 802.3x flow control for full-duplex and backpressure for half-duplex
- Supports SFP with Digital Diagnostic Monitoring (DDM)
- Provides Automatic Laser Shutdown (ALS) function
- Provides fiber optical power Alarm (OPA) function
- Alarm e-mail notification

Management Features:

- Management:
 - HTTP/HTTPS/SSHv2/CLI telnet/SNMP v1/v2c/v3/RMON
 - DHCP/DHCPv6 client, DNS client, NTPv4
 - IPv6 support, System Syslog, Configuration download/upload, Software upload
 - KTI's private MIB for DDM monitoring, OPA, ALS, Remote boot, TFTP firmware update over SNMP
- Security:
 - NAS, 802.1X, MAC-based/Web/CLI authentication
 - IP MAC binding, TACACS+, IP source guard
- Layer 2:
 - QoS, 802.1Q/Private VLAN, Port Isolation
 - Storm control for UC/MC/BC packets
 - Static MAC configuration
 - IGMP v2/v3 snooping, MLD v1/v2 snooping, DHCP snooping
 - Multiple Spanning Tree – MSTP, RSTP, STP

Specifications:

Standard	IEEE 802.3, 802.3ab, 802.3z, 802.3x, 802.1x, 802.1w, 802.1D, 802.1Q
Network Ports	5 10/100/1000Mbps Gigabit copper ports 1 1G/100Mbps SFP slot
Copper Port	Shielded RJ-45, 10/100/1000Mbps, auto-negotiation, auto-MDI/MDI-X support
Mini-GBIC SFP	SFP connector Interface: 1000BASE-X and 100BASE-FX support
Network Cables	10/100/1000Mbps copper: Cat.5 up to 100m 1000Base-X: 62.5/125µm, 50/125µm MM fiber, 9/125µm SM fiber
MAC Addresses	Table with 8K entries
Buffer Memory	4Mbits



LED Indication	Per unit: Power Per port: Speed/link/activity status SFP port: Speed, Link/activity status
Power Input	DC jack, Voltage range: +5 ~ +30VDC via external power adapter
Power Consumption	5.4W max. @12VDC (DC IN)
Housing	Enclosed metal with no fan
Dimension	144 x 104.5 x 26 mm (WxDxH)
Mounting Support	Desktop and wall mounting
Environment	Operating Temperature: -10°C ~ 45°C (Main device) Storage Temperature: -40°C ~ 85°C Relative Humidity: 5% ~ 95% non-condensing
Approval	FCC Class A, CE mark Class A, VCCI Class A, IEC60950-1 safety



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