



# KGS-0600



## 6-Port L2 Gigabit Ethernet Switch with 1 GbE SFP Port & IGMP Snooping

### Product Highlights:

- Full wire speed performance
- Plug and play
- Fiber connectivity
- Jumbo frame support
- IGMP snooping
- High power saving

### Key Features:

- Provides 5 tri-speed copper ports and one 1000M SFP
- All copper ports support auto-negotiation and auto-MDI/MDI-X detection
- Nonblocking wire speed performance
- Supports 802.3x flow control for full-duplex and backpressure for half-duplex
- Jumbo frame support at all speeds
- IGMP v1/v2 snooping
- Flooding undesired packet storm caused by loops in the network or DOS attacks

### Specifications:

Standard	IEEE 802.3, 802.3u, 802.3ab, 802.3x
Network Ports	5 10/100/1000Mbps Gigabit copper ports Shielded RJ-45, auto-negotiation, auto-MDI/MDI-X support 1 1000Mbps Gigabit fiber SFP port SFP supports standard SFP fiber transceiver installation
Network Cables	10/100/1000Mbps copper: Cat.5, 5e or higher up to 100m 1000Base-X: MMF 50/125µm, 60/125µm, SMF 9/125µm
MAC Address Table	8K entries
Buffer Memory	136K bytes
LED Indication	Per unit: Power Per copper port: 1000M,100M, 10M speed/link/activity status SFP port: 1000M speed/link/activity status, Optical link status
Environment	Operating Temperature: 0°C ~ 40°C (Main device) Storage Temperature: -20°C ~ 70°C Relative Humidity: 10% ~ 90% non-condensing
Dimension	144 x 104.5 x 26 mm (WxDxH)
Power Input	+5V ~ +12VDC (+/-5%) via external power adapter
Power Consumption	5W max. @+5V (DC IN)
Approval	FCC Class A, CE mark Class A



### Optional Accessories:

WMK5	Wall mounting kit
KTI quality SFP transceivers	

### Fiber Optical Specifications:

Model	Connector	Fiber	Wavelength	Tx Power*	Rx Sens.	Rx Max.	Distance
-SX	LC	62.5/125 MMF 50/125 MMF	850nm	-9.5 ~ -4dBm	-18dBm	0dBm	200m 500m
-LX	LC	MMF SMF	1310nm	-9.5 ~ -3dBm	-20dBm	-3dBm	550m 10km
-LX20	LC	SMF	1310nm	-8 ~ -2dBm	-23dBm	-1dBm	20km
-W3510	Bi-Di LC	SMF	Tx 1310nm Rx 1550nm	-9 ~ -3dBm	-21dBm	-1dBm	10km
-W5310	Bi-Di LC	SMF	Tx 1550nm Rx 1310nm	-9 ~ -3dBm	-21dBm	-1dBm	10km

\*Data for 62.5/125µm MMF, 9 /125µm SMF



FCC Part 15, Class A  
CISPR 22 Class A

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Dimension