KGS-810F Ver.B

Web Smart 8-Port L2 Gigabit Ethernet Switch with 1 GbE SFP Port

Product Highlights:

- Web management
- One 1000M SFP fiber
- DHCP support
- 802.1Q Tagged VLAN support
- QoS WFQ support
- Port mirroring function
- 802.1x port access control
- RSTP and MSTP support
- LACP link aggregation
- Jumbo frame support
- IGMP snooping
- High power saving

DIN-Rail Mounting Backet
KC-4DR

Panel Mounting Backet
PMB-810

Key Features:

- Provides 8 10/100/1000Mbps RJ-45 and 1 Mini-GBIC SFP slot
- Provides in-band web and SNMP management interfaces
- All copper ports support auto-negotiation and auto-MDI/MDI-X detection
- Provides full wire speed forwarding
- Supports jumbo frame at all speeds
- Supports 802.3x flow control for full-duplex and backpressure for half-duplex
- Provides port status, statistic monitoring and control function
- Provides DHCP client & static IP configuration
- Supports port-based and 802.1Q Tag-based VLAN
- Provides QoS function
- Provides port link aggregation (trunking) function with LACP support
- Provides port mirroring function
- Provides 802.1x authentication for port access
- Supports 802.1w RSTP and 802.1s MSTP
- Provides IGMP snooping
- Supports SFP with Digital Diagnostic Monitoring (DDM)

Specifications:

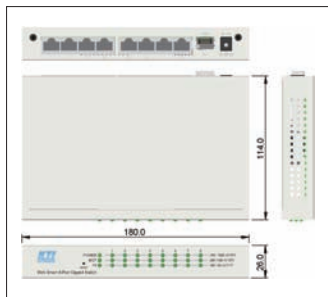|	
Standard	IEEE 802.3, 802.3ab, 802.3z, 802.3x, 802.1x, 802.1w, 802.1s, 802.1Q
Network Ports	7 10/100/1000Mbps Gigabit copper ports Shielded RJ-45, auto-negotiation, auto-MDI/MDI-X support 1 1000Mbps Gigabit fiber SFP port SFP supports standard SFP fiber transceiver installation
Network Cables	10/100/1000Mbps copper: Cat.5 up to 100m 1000Base-X: 62.5/125µm, 50/125µm MM fiber, 9/125µm SM fiber
MAC Addresses	Table with 8K entries
IP Multicast Groups	8K
Buffer Memory	176K bytes
VLAN Function	Port based VLAN, 8021Q Tag-based VLAN
Port Link Aggregation	LACP (802.3ad) support
QoS Function	4 priority queues, Classification: Port-based, 802.1p, IP DSCP
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
Management Support	Web browser software, SNMP MIB-2
Management Objects	System settings, Port status/statistics, Port control, VLAN, QoS, LACP aggregation, port mirroring, Firmware upgrade, 802.1w RSTP, 802.1x, IGMP snooping, Storm control, Power saving, Configuration backup and restore

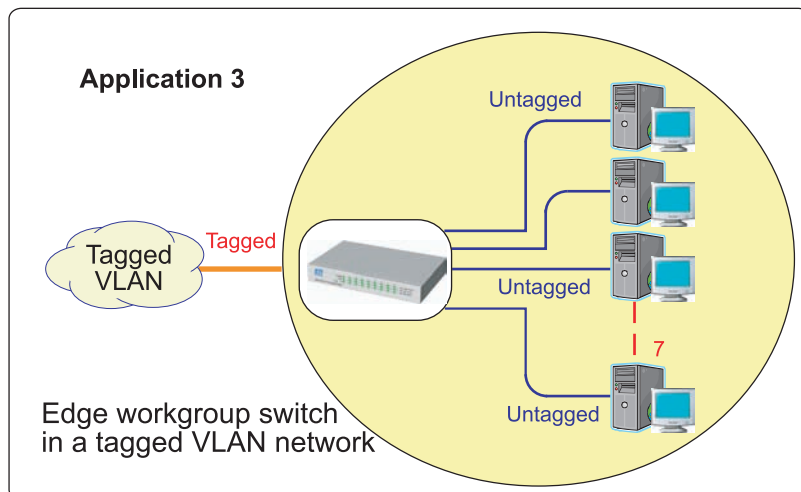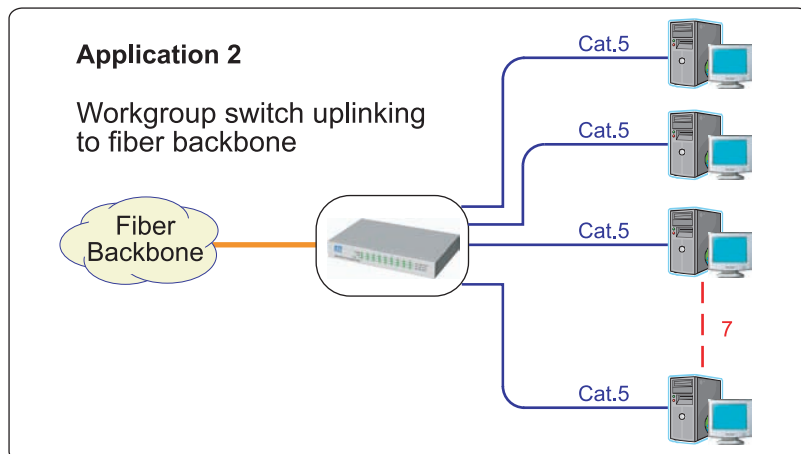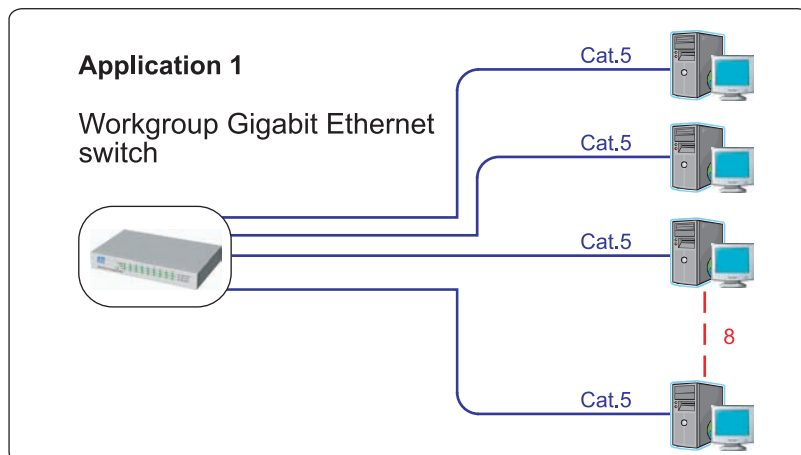| Environment	Operating Temperature: -5°C ~ 50°C (Main device)
	Storage Temperature: -20°C ~ 85°C
	Relative Humidity: 10% ~ 90% non-condensing
Dimension	180 x 114 x 26 mm (WxDxH)
Power Input	+5V ~ +12VDC (+/-5%) via external power adapter
Power Consumption	7.3W max. @+5V (DC IN)
	Less than 1.1W when no link ports under power saving mode
Approval	FCC Class A, VCCI Class A, CE mark Class A

Dimension

Applications:

Application 1

Workgroup Gigabit Ethernet switch

Cat.5
Cat.5
Cat.5
8
Cat.5

Application 2

Workgroup switch uplinking to fiber backbone

Fiber Backbone

Cat.5
Cat.5
Cat.5
7
Cat.5

Application 3

Tagged VLAN

Tagged

Untagged
Untagged
7
Untagged

Edge workgroup switch in a tagged VLAN network