



# KGS-0820

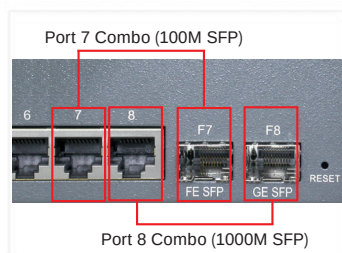


## Managed 8-Port L2 Gigabit Ethernet Switches with 2 SFP Slots and PoE options

### Product Highlights:

- 802.1Q Tagged VLAN
- QoS WFQ support
- LACP link aggregation
- 802.1x access control
- 802.1w RSTP, STP, MSTP
- DHCP client
- Two speed SFP support
- SFP DDM support
- Port mirroring
- PoE PSE option
- DC power input option

### SFP Slots



### DC Power Option



### Key Features:

- Provides 8 10/100/1000Mbps RJ-45, one 100M SFP slot and one 1000M SFP slot
- Provides in-band web and SNMP management interface
- All copper ports support auto-negotiation and auto-MDI/MDI-X detection
- Two SFP slots support 100BASE-FX and 1000BASE-X SFP transceivers
- Provides Gigabit full wire speed forwarding
- Supports 802.3x flow control for full-duplex and backpressure for half-duplex
- Provides port status, statistic monitoring and control function
- Supports port-based and 802.1Q Tag-based VLAN
- Provides QoS function
- Provides port link aggregation (trunk) function with LACP support
- Provides port mirroring function
- Provides 802.1x authentication for port access
- Supports 802.1w RSTP, 8021D STP and MSTP
- Watchdog timer function
- Supports DHCP for dynamic IP configuration
- Provides optional 8 PoE (Power over Ethernet) PSE ports
- 19" rack mountable

### Specifications:

|                       |                                                                                                                                                                                                  |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Standard              | IEEE 802.3, 802.3ab, 802.3z, 802.3x, 802.3af, 802.1x, 802.1w, 802.1D, 802.1Q                                                                                                                     |
| Network Ports         | 6 10/100/1000Mbps Gigabit copper ports<br>1 combo port - 10/100/1000Mbps copper & 100M fiber SFP<br>1 combo port - 10/100/1000Mbps copper & 1000M fiber SFP                                      |
| Copper Ports          | Shielded RJ-45, 10/100/1000Mbps, auto-negotiation, auto-MDI/MDI-X support                                                                                                                        |
| SFP Slots             | One 100M SFP connector for 100M SFP fiber transceiver modules<br>One 1000M SFP connector for 1000M SFP fiber transceiver modules<br>DDM support                                                  |
| Network Cables        | 10/100/1000Mbps copper: Cat.5 up to 100m, 100Base-FX, 1000Base-X: 62.5/125µm, 50/125µm MM fiber, 9/125µm SM fiber                                                                                |
| MAC Addresses         | Table with 8K entries                                                                                                                                                                            |
| VLAN Function         | Port based VLAN, 802.1Q Tag-based VLAN                                                                                                                                                           |
| Port Link Aggregation | Static trunking groups: 2 max., Ports/group: 2, LACP link aggregation                                                                                                                            |
| QoS Function          | 4 priority queues, Classification: Port-based, 802.1p, IP DSCP                                                                                                                                   |
| Power over Ethernet   | IEEE 802.3af compliant, PSE on Port 1 ~ Port 8 (optional)<br>Power delivery 48V 15.4W max. at port output for a Cat.5 distance of 100 meters                                                     |
| LED Indication        | Per unit: Power, Mngt<br>Per port: 1000M, 100M/10M speed/link/activity status<br>Per PSE port: PoE status                                                                                        |
| Web Management        | Web browser software<br>System settings, port status/statistics, port control, VLAN, QoS, Link aggregation, port mirroring, Firmware upgrade<br>802.1x, 802.1w, Configuration backup and restore |



## Ordering Informations:

| Model      | Managed | PoE | Power      |
|------------|---------|-----|------------|
| KGS-0820-P | v       | v   | AC100~240V |
| KGS-0820-D | v       | v   | DC44~57V   |
| KGS-0820-S | v       | -   | AC100~240V |
| KGS-0820-L | -       | -   | AC100~240V |

## Optional Accessories:

|                                  |                                               |
|----------------------------------|-----------------------------------------------|
| KPW-1000T-52                     | 1000W Power supply for PoE+, AC110-240V DC52V |
| KPW-1000T-48                     | 1000W Power supply for PoE, AC110-240V DC48V  |
| KPW-300T-52                      | 300W Power supply for PoE+, AC110-240V DC52V  |
| KPW-300T-48                      | 300W Power supply for PoE, AC110-240V DC48V   |
| KTI 100M SFP fiber transceivers  |                                               |
| KTI 1000M SFP fiber transceivers |                                               |



FCC Part 15, Class A  
CISPR 22 Class A

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|                   |                                                                                                                        |
|-------------------|------------------------------------------------------------------------------------------------------------------------|
| SNMP Support      | SNMP v1, v2c management, MIB-II, Event traps                                                                           |
| AC Power Input    | IEC320 receptacle, Operating voltage range: +100 ~ 240VAC                                                              |
| DC Power Input    | Screw type terminal block<br>Voltage range with PoE option: +44 ~ +54VDC<br>Voltage range with no PoE: +36 ~ +57VDC    |
| Power Consumption | AC: 16W max. (No PoE), 150W max. (PoE) @110VAC<br>DC: 10W max. (No PoE), 133W max. (PoE) @48VDC                        |
| Housing           | Enclosed metal                                                                                                         |
| Dimension         | 295 x 160 x 43 mm (WxDxH)                                                                                              |
| Mounting Support  | 19" rack mountable                                                                                                     |
| Environment       | Operating Temperature: -5°C ~ 50°C<br>Storage Temperature: -20°C ~ 85°C<br>Relative Humidity: 10% ~ 90% non-condensing |
| Approval          | FCC Class A, CE mark Class A, IEC60950-1 safety                                                                        |

## Applications:

