



# KGS-1000-BP



**Preliminary**



## 10-Port L2 Gigabit Ethernet 802.3bt PoE Switches with 2 GbE SFP Slots

### Product Highlights:

- Full wire speed performance
- Plug and play
- 4 IEEE 802.3bt PoE Ports
- Jumbo frame support

### Compatible PD support:

PD Class	802.3af	802.3at	802.3bt	Max. (W)
0	•	•	•	15.4
1	•	•	•	4
2	•	•	•	7
3	•	•	•	15.4
4		•	•	30
5			•	45
6			•	60
7			•	75
8			•	90

### Key Features:

- Provides 8 10/100/1000Mbps copper ports 2 GbE SFP slots
- Provides 4 copper ports are equipped with IEEE 802.3bt-compliant PoE PSE
- All copper ports support auto-negotiation and auto-MDI/MDI-X detection
- Supports 802.3x flow control for full-duplex and backpressure for half-duplex
- Supports jumbo frame length of 9K bytes at full wire speed forwarding

### Specifications:

Standard	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3x, IEEE 802.3af, IEEE 802.3at, IEEE 802.3bt
Network Ports	8 10/100/1000Mbps copper ports Shielded RJ-45, auto-negotiation, auto-MDI/MDI-X support 2 1000Mbps SFP port SFP supports standard SFP fiber transceiver installation
Network Cables	10/100/1000Mbps Copper: Cat. 5, 5e, 6 or higher up to 100m 1000Mbps Fiber: MMF 50/125µm, 62.5/125µm, SMF 9/125µm
Power over Ethernet	IEEE 802.3af, IEEE 802.3at and IEEE 802.3bt standard PSE on Port 1, 3, 5, 7 Power delivery 90W max. at port output Power output voltage: 56VDC Total PoE power supply budget: 380W
PoE Protection	Incompliant PD detection, Disconnection, Over-current, Short-circuit, Under voltage
MAC Addresses	8K
Buffer Memory	256KB
LED Indication	Per unit: Power Per port: Speed/link/activity, PoE status Per SFP: Link/activity status
Power Input	IEC320 receptacle, Operating voltage range: +100 ~ 240VAC
Power Consumption	13.2W max. (Full load without PoE)
Housing	Enclosed metal with fan
Dimension	220 x 206 x 44 mm (WxDxH)
Mounting Support	19" rack mountable
Environment	Operating Temperature: 0°C ~ 40°C Storage Temperature: -20°C ~ 70°C Relative Humidity: 10% ~ 90% non-condensing
Approval	FCC Class A, VCCI Class A, CE mark Class A, EN62368-1 safety



**Katron Technologies Inc.**  
15F-7, No. 79, Sec. 1, Hsin Tai Wu Rd.,  
Hsi-chih District, New Taipei City, Taiwan  
Tel: 886-2-2698-3878  
Fax: 886-2-2698-3873  
E-mail: kti@ktinet.com.tw  
URL: http://www.ktinet.com.tw

Trademarks: All brand names are trademarks or registered trademarks of their respective holders.  
This information is subject to change without prior notice.