



# KGS-1060, KGS-1060-HP

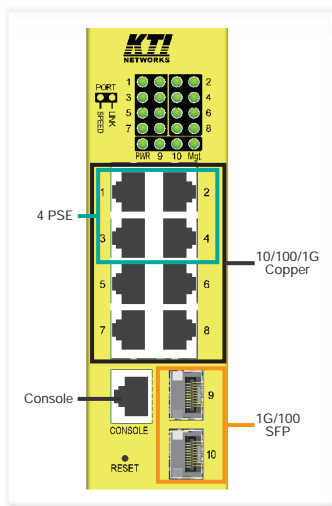


## Industrial Managed 10-Port L2 Gigabit Ethernet Switches with 2 dual-speed SFP Slots and 4 PoE+ PSE Ports

### Product Highlights:

- Web, telnet, SNMP managed
- IPv6 support
- SFP dual speed support
- SFP DDM support
- Four 802.3at PoE PSE ports
- RSTP, STP, MSTP support
- Multi redundant ring support
- IGMP & MLD snooping
- High power saving

KGS-1060-HP Ports



### Key Features:

- Eight 10/100/1000Mbps RJ-45 and two dual-speed SFP slots
- All copper ports support auto-negotiation and auto-MDI/MDI-X detection.
- Two SFP slots support 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
- Port link aggregation function with LACP support
- Supports SFP with Digital Diagnostic Monitoring (DDM)
- Alternatively powered via PoE if direct DC power not available
- Optional four 802.3at-compliant PoE PSE ports
- Supports PoE PSE Redundancy

### Management Features:

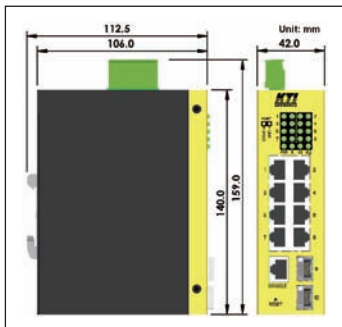
- Management:
  - HTTP/HTTPS/SSHv2/CLI telnet/CLI console/SNMP v1/v2c/v3/RMON
  - DHCP/DHCPv6 client, DHCP relay, DNS client. NTPv4
  - IPv6 support, System Syslog, Configuration down/upload, Software upload
- Security:
  - NAS, 802.1X, MAC-based/Web/CLI authentication
  - IP MAC binding, TACACS+, IP source guard
- Layer 2:
  - QoS, 802.1Q/MAC-based/Protocol-based/Private/IP subnet 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
- KTI's Auto Multi-Ring (KAMR) Technology:
  - Fast failover response time, Auto recovery when failure is repaired
  - Supports up to five redundant rings, Works with RSTP network

### Specifications:

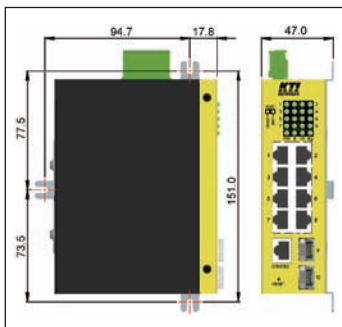
Standard	IEEE 802.3, 802.3ab, 802.3z, 802.3x, 802.3at, 802.1x, 802.1w, 802.1D, 802.1Q
Network Ports	8 10/100/1000Mbps Gigabit copper ports 2 1G/100Mbps SFP slots
Copper Port	Shielded RJ-45, 10/100/1000Mbps, auto-negotiation, auto-MDI/MDI-X
Mini-GBIC SFP	SFP connector, Interface: 1000BASE-X and 100BASE-FX support
Console	Connector: Shielded RJ-45, Interface: RS-232
Network Cables	10/100/1000Mbps copper: Cat.5 up to 100m 1000Base-X: 62.5/125µm, 50/125µm MM fiber, 9/125µm SM fiber



DIN-Rail Dimension



Panel Dimension



**Ordering Informations:**

Part#	Description
KGS-1060	Standard model with no PSE function
KGS-1060-HP	Model with four PSE ports
KSD-8PB	Panel mounting kit
KPW-300T	300W Power supply for PoE & PoE+ applications



FCC Part 15, Class A  
CISPR 11 Class A

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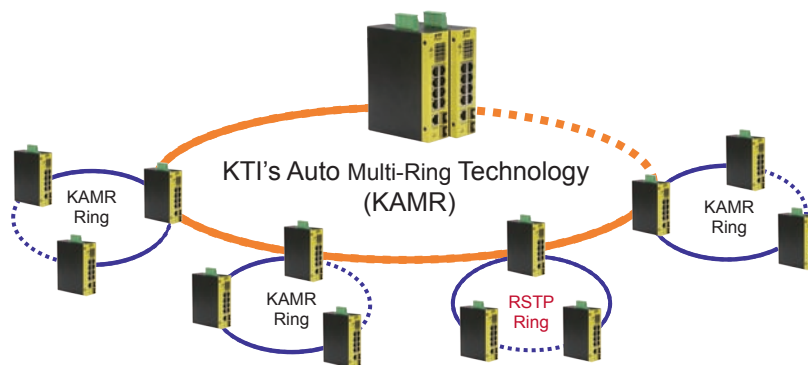
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Power over Ethernet	IEEE 802.3at compliant (High power PoE) PSE on Port 1 ~ Port 4 35W max. at port output for Cat.5 distance of 100 meters
MAC Addresses	8K
LED Indication	Per unit: Power, Management status Per port: Speed, link/activity status Per SFP: Speed/link/activity status Per PoE port: PoE status
Relay Output	Alarm: power failure, specific port link fault Interface: 2 terminal contacts (30VDC/1A max. or 120VAC/0.5A max.)
DC Power Input	Screwed terminal block: 2 pairs of +/- contacts Operating voltage range: +7 ~ +60VDC Voltage for PoE support: +45 ~ +57VDC
Powered via PoE	IEEE 802.3af & 802.3at compliant Class 3 (for model with no PSE function)
Power Consumption	9W max. (Full load with no PoE support) 150W max. (Full load with 4 PoE+ max. output)
Housing	Enclosed metal with no fan
Dimension	42 x 106 x 140 mm (WxDxH)
Mounting Support	DIN-Rail, Panel Mounting (Optional)
Environment	Operating Temperature: -30°C ~ 70°C* Storage Temperature: -40°C ~ 85°C Relative Humidity: 5% ~ 95% non-condensing
Approval	FCC Class A, VCCI Class A, CE mark Class A, IEC 60950-1 safety EN 61000-6-4 emission, EN 61000-3-2, EN 61000-3-3, EN 61000-6-2 Immunity for industrial environment, IEC 60068-2-64 Vibration, IEC 60068-2-27 shock test, NEMA TS2 environment

\*60°C ~ 70°C with 1m/s air flow

**Multiple Redundant Rings:**



**Application:**

