KGS-0820-C

Managed 10-Port L2 Gigabit Ethernet Switches with 2 dual-speed SFP Slots and PoE+ option

Product Highlights:

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

KGS-0820-C-S

KGS-0820-C-D / DP

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)
- Optional eight 802.3at-compliant PoE PSE ports
- 19″ rack mountable

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, Port rate control
  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 support
Mini-GBIC SFP	SFP connector, Interface: 1000BASE-X and 100BASE-FX support
Console	Connector: male DB9, Interface: RS-232
Network Cables	10/100/1000Mbps copper: Cat.5, 5e or higher up to 100m 1000Base-X: 62.5/125μm, 50/125μm MM fiber, 9/125μm SM fiber
Power over Ethernet	IEEE 802.3at compliant (High power PoE) PSE on Port 1 ~ Port 8 30W max. at port output for a Cat.5 distance of 100 meter

Ordering Information:
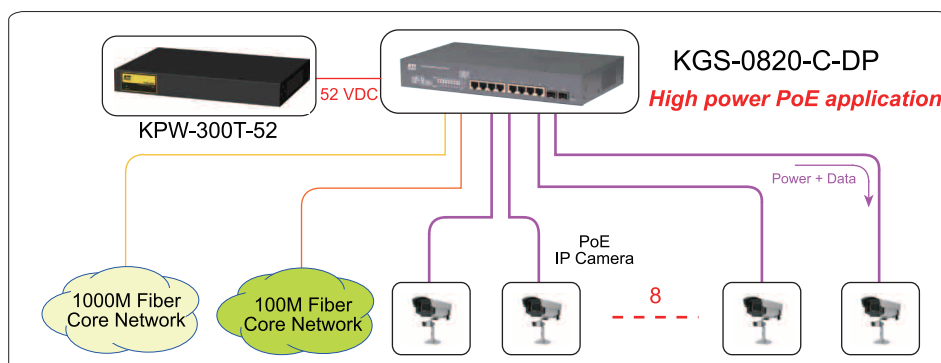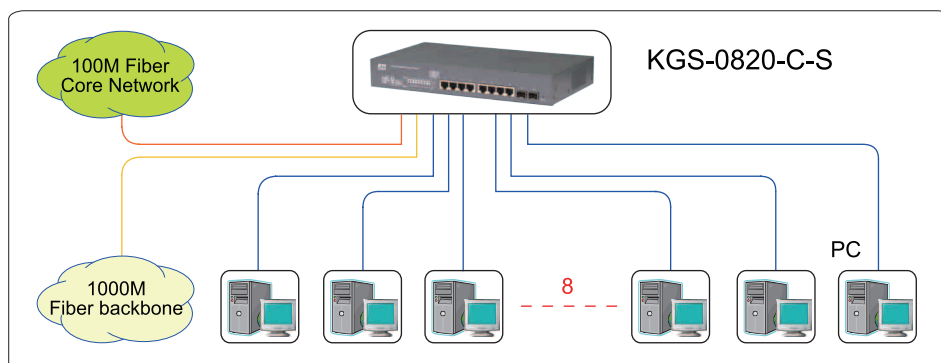
Model	Power	PoE
KGS-0820-C-S	AC100 ~ 240V	-
KGS-0820-C-D	DC36 ~ 57V	-
KGS-0820-C-DP	DC45 ~ 57V	v

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
KPW-RDP-7A	Redundant power adapter
KTI 100M SFP fiber transceivers	
KTI 1000M SFP fiber transceivers	

MAC Addresses	Table with 8K entries
LED Indication	Per unit: Power, Management status Per port: Speed, link/activity status Per SFP: Speed/link/activity status Per PoE port: PoE status
AC Power Input	IEC320 receptacle, Operating voltage range: +100 ~ 240VAC
DC Power Input	Screw type terminal block Operating voltage range: +36 ~ +57VDC Voltage for PoE support: +45 ~ +57VDC
Power Consumption	AC: 11W max. (No PoE) DC: 13W max. (No PoE), 255W (8 PoE+ max. output)
Housing	Enclosed metal
Dimension	295 x 160 x 43 mm (WxDxH)
Mounting Support	1U 19″ rack mountable
Environment	Operating Temperature: $-10^{\circ}C \sim 60^{\circ}C*$ Storage Temperature: $-40^{\circ}C \sim 85^{\circ}C$ Relative Humidity: 5% ~ 95% non-condensing
Approval	FCC Class A, VCCI Class A, CE mark Class A, EN60950-1 safety

$*50 \sim 60^{\circ}C$ with 1m/s air flow

Applications:

KGS-0820-C-S

100M Fiber Core Network

1000M Fiber backbone

PC

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KGS-0820-C-DP

High power PoE application

KPW-300T-52

52 VDC

1000M Fiber Core Network

100M Fiber Core Network

PoE IP Camera

Power + Data

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CE FC

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