



KGS-2461



Industrial Managed 24-Port L2/L3 Gigabit Ethernet Switches with PoE+ features

Product Highlights:

- Industrial rated
- PoE+ PSE features
- IPv4 and IPv6 support
- L2 & L3 switching function
- Redundant power input
- 1U 19" rack mountable
- EN 50121-4 certified

AC Powered



DC Powered



Key Features:

- Provides 24 10/100/1000Mbps RJ-45 and four dual speed SFP slots (4 combo ports)
- Provides optional 24 802.3at compliant PoE+ PSE ports
- All copper ports support auto-negotiation and auto-MDI/MDI-X detection
- The SFP slots support both 100BASE-X and 1000BASE-X SFP transceivers
- Supports SFP with Digital Diagnostic Monitoring (DDM) support
- Provides L2 switching at Gigabit full wire speed
- Provides L3 switching functions for IPv4/IPv6 Unicast static routing and IPv4 Multicast static routing
- Supports Green Ethernet power saving
- Supports 802.3x flow control for full-duplex and backpressure for half-duplex
- Jumbo frame support up to 10056 frame length
- Supports 802.1Q VLAN and diversified VLAN functions
- Provides QoS function
- Supports port bandwidth control for ingress and egress
- Supports packets storm control function for broadcast, unicast and multicast
- Supports LACP port link aggregation
- Supports MAC address learning, ageing and filtering control
- Provides port mirroring function
- Provides Optical Power Alarm (OPA) function
- Provides Auto Laser Shutdown (ALS) function
- 19" rack mountable
- Both AC powered model and DC powered model are available for choice.
- Redundant DC power input
- Relay alarm output for port link faults, power failure, and fiber OPA alarm

Management Features:

- IPv4 & IPv6 support
- Supports console and in-band Web/Telnet/SSH/HTTPS/SNMP/CLI interfaces
- Supports IEEE 802.1d, 802.1w, 802.1s STP, RSTP, MSTP
- Provides IP Multicasting with IGMP & MLD Snooping function
- Supports DHCP client & server for dynamic IP configuration
- Supports DHCP option 82 relay
- Supports complete 802.1X authentication for access security
- Provides ACL filtering function
- Supports NTPv4 Client
- Provides SNMP v1/v2C/v3 agent, RMON and event trap function
- Supports LLDP
- Supports Configuration download and upload



Ordering Informations:

KGS-2461-HP

KGS-2461 with PoE+ PSE feature,
Redundant DC power input

KGS-2461-S

Standard KGS-2461 with no PoE
feature, AC power input

Specifications:

| | |
|---------------------|---|
| Standard | IEEE 802.3, 802.3ab, 802.3z, 802.3x, 802.3af, 802.3at, 802.1x, 802.1w, 802.1D, 802.1Q |
| Network Ports | 20 10/100/1000Mbps copper ports plus 4 combo ports - 10/100/1000Mbps copper & dual-speed SFP |
| Copper Ports | Shielded RJ-45, 10/100/1000Mbps, auto-negotiation, auto-MDI/MDI-X support |
| SFP Slots | SFP connector for 100BASE-FX & 1000BASE-X SFP fiber transceiver modules, Auto-negotiation, Digital Diagnostics Monitoring (DDM) support |
| Network Cables | 10/100/1000Mbps copper: Cat.5 or better up to 100 meters, 1000BASE-X: 62.5/125µm, 50/125µm MM fiber, 9/125µm SM fiber |
| MAC Addresses | Table with 16K entries |
| VLAN Support | 4K at the same time |
| Power over Ethernet | Optional PSE function on all copper ports IEEE 802.3at (PoE+) compliant |
| LED Indication | Power status, Management status Port speed/link/activity/PoE status |
| AC Power Input | Interfaces: IEC320 receptacle Operating Input Voltages: 100 ~ 240VAC/0.75-0.38A |
| DC Power Input | Redundant screw type terminal blocks Voltage range: +40 ~ +57VDC for non-PoE applications Voltage range: +45 ~ +57VDC to support PoE/PoE+ PDs Voltage range: +51 ~ +57VDC to support 30W PoE+ PDs Power: 770W max. including full PoE load on all ports Current: 18A max.@+48VDC Rated input wire: AWG10-12 |
| Console Port | RS-232 RJ-45 |
| Alarm Relay | Power fault alarm, Port link alarm, fiber alarm |
| Power Consumption | 48W max. (Not including PoE) |
| Housing | Enclosed metal |
| Dimension | 443 x 280 x 43 mm (WxDxH) |
| Mounting Support | 19" rack and wall mountable |
| Environment | Operating Temperature: -30°C ~ +60°C Storage Temperature: -40°C ~ +85°C Relative Humidity: 10% ~ 90% non-condensing |
| Approval | FCC Class A, VCCI Class A, CE mark Class A, EN60950-1 safety EN 61000-6-4 emission, EN 61000-3-2, EN 61000-3-3 EN61000-6-2 Immunity for industrial environment, IEC 60068-2-6 Vibration, EN 50121-4 Railway environment |
| MTBF | 200K hours min. |



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