



KGC-460, KGC-460-HP



Product Highlights:

- Multi-functional
- 3 media converter modes
- Ethernet switch mode
- Web, telnet, SNMP managed
- IPv6 support
- Optional 802.3at PoE PSE

Multi-function modes

2MC Mode
Dual independent media converters in one
LFPT, IGMP, LLDP, DDM, PoE support
2C1F MC Mode
Dual media converters sharing redundant fiber
LFPT, IGMP, LLDP, LACP, DDM, PoE support
F2F MC Mode
Fiber to Fiber media converter
LFPT, IGMP, LLDP, DDM support
4P Switch Mode
4-port Gigabit Ethernet switch
Full specified management features

Industrial Managed Multi-function GbE Media Converter with PoE+ Support

Key Features:

- Provides 2 10/100/1Gbps copper ports and 2 dual-speed SFP fiber port slots
- Supports 802.3x flow control for full-duplex and backpressure for half-duplex
- All copper ports support auto-negotiation and auto-MDI/MDI-X detection
- Dual-speed SFP slots support 100BASE-FX and 1000BASE-X SFP
- SFP featured with Digital Diagnostic Monitoring (DDM) support
- Multiple functions in one:
 - Dual media converts mode
 - Dual media converters sharing redundant fiber mode
 - Fiber to fiber media converter mode
 - 4-port switch mode
- Link fault pass through (LFPT) featured for all media converter modes
- Redundant ring function featured for 4-port switch mode
- Supports Gigabit full wire speed bridging & forwarding performance
- Jumbo frame support up to 9600 bytes
- Alarm relay output for events of power failure and configured port link down
- Green Ethernet power saving
- 802.3az Energy Efficient Ethernet (EEE) support
- Optional high power PoE PSE function on copper ports

Management Features:

- Function mode configuration
- 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 VLAN, 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,
 - Works with RSTP network
- KTI's PoE Redundancy function:
 - Fast failover due to power off or link loss, Auto recovery when failure is repaired



Ordering Informations:

Part#	Description
KGC-460	Standard model with no PSE function
KGC-460-HP	Model with two PSE ports

Specifications:

Standard	IEEE 802.3, 802.3ab, 802.3z, 802.3x, 802.3at, 802.1x, 802.1w, 802.1D, 802.1Q
Network Ports	2 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
Network Cables	10/100/1000Mbps copper: Cat.5, 5e UTP or higher up to 100m SFP fiber: 62.5/125µm, 50/125µm MM fiber, 9/125µm SM fiber
Power over Ethernet	IEEE 802.3at compliant (High power PoE) 30W 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, configured port link fault Interface: 3 terminal contacts (30VDC/1A max. or 120VAC/0.5A max.)
DC Power Input	Screwed terminal block: DC +/- contacts Operating voltage range: +12 ~ +57VDC Voltage for PoE support: +45 ~ +57VDC
Power Consumption	6W@56V max. (Full load with no PoE support) 66W@56V max. (Full load with 2 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: -40°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, TUV EN 60950-1 safety EN 61000-6-4 emission, EN61000-3-2, EN61000-3-3, EN61000-6-2 Immunity for industrial environment, IEC 60068-2-64 Vibration, IEC 60068-2-27 shock



FCC Part 15, Class A
CISPR 11 Class A

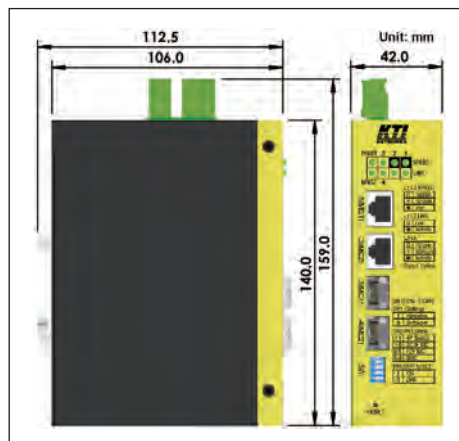
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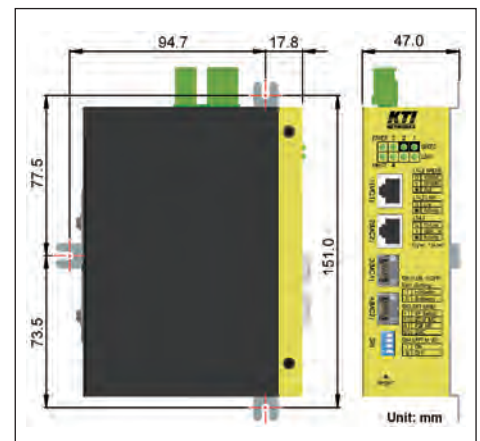
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DIN-Rail Dimension



Panel Dimension