KGC-460

Preliminary

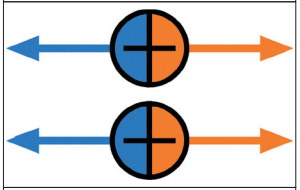
Product Highlights:

- 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
- Supports direct DC power input and powered via PoE alternatively
- Optional high power PoE PSE function on copper ports

Management Features:

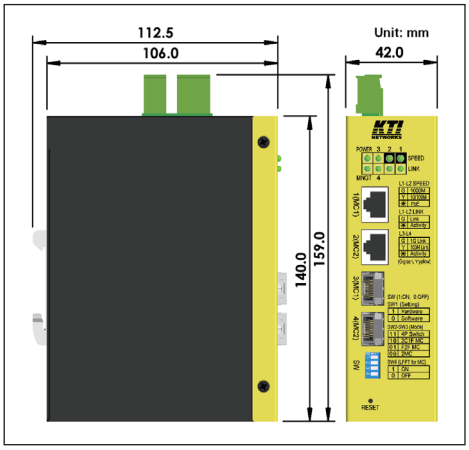
- Function mode configuration
- Management:
  HTTP/HTTPS/SSHv2/CLI telnet/CLI console/SNMP v1/v2c/v3/RMON
  DHCP/DHCPv6 client, DHCP relay, DNS client, NTPv4
  IPv6 support, System Syslog, Configuration down/upload, Software upload
- Security:
  NAS, 802.1X, MAC-based/Web/CLI authentication
  IP MAC 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

Ordering Informations:

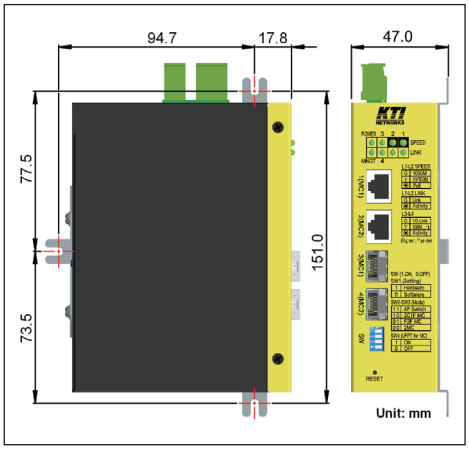
Part#	Description
KGC-460	Standard model with no PSE function
KGC-460-HP	Model with two PSE ports

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 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
Powered via PoE	IEEE 802.3af & 802.3at compliant Class 3 (for model with no PSE function)
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: -40ºC ~ 70ºC Storage Temperature: -40ºC ~ 85ºC Relative Humidity: 5% ~ 95% non-condensing
Approval	FCC Class A, VCCI Class A, CE mark Class A, IEC 60950-1 safety EN55011 emission, EN61000-3-2, EN61000-3-3, EN61000-6-2 Immunity for industrial environment, IEC 60068-2-64 Vibration, IEC 60068-2-27 shock



DIN-Rail Dimension



Panel Dimension

FCC Part 15, Class A
CISPR 11 Class A

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