KTGC-200

10G Ethernet Multi-rate Media Converters

Product Highlights:

• Multi-rate support
 - 10G copper to fiber conversion
 - 5G copper to fiber conversion
 - 2.5G copper to fiber conversion
 - 1G copper to fiber conversion
• Link fault pass through function

Key Features:

• The device supports the following multi-rate and media conversion:
 - 10GBASE-T to 10GBASE-R conversion
 - 5GBASE-T to 5GBASE-R conversion
 - 2.5GBASE-T to 2500BASE-X conversion
 - 1000BASE-T copper to 1000BASE-X (without auto-negotiation support) fiber conversion
• Support auto-negotiation and Auto-MDI/MDI-X detection
• Support full wire speed conversion
• Support transparent conversion for any packet types with no packet length limitation
• Provide link fault pass through function

Specifications:

Standard	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3an Copper interface: 10GBASE-T, 5GBASE-T, 2.5GBASE-T, 1000BASE-T Fiber interface: 10GBASE-R(XFI), 5GBASE-R, 2500BASE-X, 1000BASE-X (without auto-negotiation support)
Copper Ports	Shielded RJ-45, Auto-negotiation, Auto-MDI/MDI-X 10G/5G/2.5G/1Gbps, Full/Half duplex
Fiber Ports	SFP+ slot for SFP or SFP+ fiber transceiver 10G/5G/2.5G/1Gbps, Full duplex
Network Cables	Copper port: Cat.6a, 7 or higher for 10GBASE-T up to 70m, Cat.5e or higher for 5G/2.5G/1000BASE-T up to 100m Fiber port: MMF 50/125μm, 62.5/125μm, SMF 9/125μm
DIP SW	Link Fault Pass Through function setting DIP SW setting change will not take effect until next boot-up.
LFPT function	Rule 1: Fiber port is always forced to link down when copper port is down. Rule 2: Fiber port link down forces copper port to link down when DIP SW is ON. Note: Single fiber cable failure events are not supported by the LFPT function.
LED Indication	Power status, Activity, Speed link status
Power	External Power 5V/1.5A
Power Consumption	3.8W max
Housing	Enclosed metal with no fan
Dimension	75 x 102 x 22.2 mm (WxDxH)
Environment	Operating Temperature: 0℃ ~ 50℃ Storage Temperature: -20℃ ~ 70℃ Relative Humidity: 0% ~ 90% non-condensing
Approval	FCC Class B, CE mark Class B

Katron Technologies Inc.
15F-7, No. 79, Sec. 1, Hsin Tai Wu Rd.,
Hsi-chih District, New Taipei City, Taiwan
Tel: 886-2-2698-3878
Fax: 886-2-2698-3873
E-mail: kti@ktinet.com.tw
URL: http: //www.ktinet.com.tw

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