



KC-220G Series



1000Base-SX/LX Multimode to Single Mode Media Converters

Ordering Information:

Model	SX Port	LX Port	LX Port Distance
KC-220G	SC	SC	SMF 10km
KC-220G-O	SC	SC	SMF 10km
KC-220G-S30-O	SC	SC	SMF 30km
KC-220G-S40	SC	SC	SMF 50km

Key Features:

- Complies with IEEE 802.3z 1000Base-SX/LX standard
- Provides media conversion between single mode and multimode fiber optic media types
- Extend network span from 220 meters (multimode fiber) up to 50km (single mode fiber)
- Interoperable with other 1000Base-SX/LX fiber optic NICs or switches
- Provides LEDs for easy network monitoring

Specifications:

Standard	IEEE 802.3z Gigabit Fast Ethernet 1000Base-SX/LX
Fiber Port	Multimode fiber port: SC connector Single Mode fiber port: SC connector
Fiber Cable	SX port: MMF 62.5/125µm, 50/125µm LX port: MMF 62.5/125µm, 50/125µm SMF 9/125µm
LEDs	- Power status - Link/Act. status for Multimode fiber port - Link/Act. status for Single Mode fiber port
Environment	Operation Temperature: 0°C ~ 40°C Relative Humidity: 10% ~ 70% non-condensing
Dimension	101 x 96 x 25mm (WxDxH)
Power	+5VDC, 250mA

Fiber Optical Specifications:

Model	Port	Tx Power (dBm)	Cable	Rx Sensitivity (dBm)	Wavelength (nm)	Ref. Distance
KC-220G	SX	-9.5 ~ -4	MMF 62.5/125	-12.5	850	220m
		-9.5 ~ -4	MMF 50/125	-13.5	850	500m
	LX	-11.5 ~ -3	MMF	-14.4	1310	550m
KC-220G-O	SX	-9.5 ~ -4	MMF 62.5/125	-20	850	300m
		-9.5 ~ -4	MMF 50/125	-20	850	500m
	LX	-9 ~ -3	SMF	-21	1310	10km
KC-220G-S30-O	SX	-9.5 ~ -4	MMF 62.5/125	-20	850	300m
		-9.5 ~ -4	MMF 50/125	-20	850	500m
	LX	-5 ~ 0	SMF	-24	1310 DFB	30km
KC-220G-S40	SX	-9.5 ~ -4	MMF 62.5/125	-12.5	850	220m
		-9.5 ~ -4	MMF 50/125	-13.5	850	500m
	LX	-5 ~ 0	SMF	-24	1550 DFB	50km



FCC Part 15, Class A
CISPR 22 Class A

Katron Technologies Inc.

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

KTI Networks Inc.

7400 Harwin Dr., Suite 120 Houston, Texas 77036 U.S.A.
Tel: 713-266-3891
Fax: 713-914-0555
E-mail: kti@ktinet.com
URL: http://www.ktinet.com

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