



KGC-311 Series



Multimode to Single Mode Optical Fiber Media Converters

Product Highlights:

- Full wire speed performance
- SFP flexibility
- Low power consumption
- Optional DIN-Rail mounting
- Center Chassis installation support
- Options for Bi-Di communication

DIN-Rail Mounting Bracket
KC-3DR



Managed Center Chassis
KC-1300



Powered via optional USB cable



Key Features:

- Complies with IEEE 802.3z 1000Base-SX/LX and IEEE 802.3u 100Base-FX standard
- Provides media conversion between single mode and multimode optical fiber media types
- Supports both 1000Mbps Gigabit Ethernet fiber and 100Mbps Fast Ethernet fiber applications
- Provides two SFP slots and supports standard SFP fiber transceivers
- Support center chassis installation with advantages of central power, power redundancy and management
- Provides LEDs for easy network monitoring

Specifications:

Standard	IEEE 802.3z 1000Base-SX/LX, IEEE 802.3u 100Base-FX
Fiber Ports	MM port: SFP-A slot for Multimode fiber transceiver SM port: SFP-B slot for Single mode fiber transceiver
Fiber Cable	MM port: MMF 62.5/125µm, 50/125µm SM port: SMF 9/125µm
LEDs	Power status, GbE/FE status MM port optical link status, SM port optical link status
Mounting	Desktop, Wall, DIN-Rail (optional), Center chassis
Center Chassis	Up to 16 units in one KC-1300 rack chassis Support optional power redundancy and management
Power Input	+5 ~ +12VDC (+/-5%), Consumption 2W max. @7.5V
Environment	Operation Temperature: -5°C ~ 55°C Storage Temperature: -20°C ~ 85°C Relative Humidity: 10% ~ 70% non-condensing
Dimension	72.5 x 108 x 23 mm (WxDxH)
Compliance	FCC Class A, CE mark Class A

Fiber Ordering Information:

Model	Fiber	Tx Power*	Connector	Rx Sens.	Wavelength	Ref. Distance
FE 100Mbps series						
-FSL3	MM	-20 ~ -14dBm	LC	-31dBm	1310nm	2km
	SM	-15 ~ -8dBm	LC	-34dBm	1310nm	30km
-FSL6	MM	-20 ~ -14dBm	LC	-31dBm	1310nm	2km
	SM	-5 ~ 0dBm	LC	-35dBm	1310nm	60km
-FSL10	MM	-20 ~ -14dBm	LC	-31dBm	1310nm	2km
	SM	-5 ~ 0dBm	LC	-35dBm	1550nm	100km



Ordering Information:

Model: KGC-311 -xxx	FE/GbE	MM Port	SM Port
-FSL3	FE	2km	30km
-FSL6	FE	2km	60km
-FSL10	FE	2km	100km
-FW3520	FE	2km	Tx 1310nm Bi-Di 20km
-FW5320	FE	2km	Tx 1550nm Bi-Di 20km
-LX	GbE	200/500m	10km
-LX20	GbE	200/500m	20km
-LX30	GbE	200/500m	30km
-LX50	GbE	200/500m	50km
-LX70	GbE	200/500m	70km
-W3510	GbE	200/500m	Tx 1310nm Bi-Di 10km
-W5310	GbE	200/500m	Tx 1550nm Bi-Di 10km
-W3410	GbE	200/500m	Tx 1310nm Bi-Di 10km
-W4310	GbE	200/500m	Tx 1490nm Bi-Di 10km
-W3520	GbE	200/500m	Tx 1310nm Bi-Di 20km
-W5320	GbE	200/500m	Tx 1550nm Bi-Di 20km

-FW3520	MM	-20 ~ -14dBm	LC	-31dBm	1310nm	2km
	SM	-14 ~ -8dBm	Bi-Di LC	-32dBm	Tx 1310nm Rx 1550nm	20km

-FW5320	MM	-20 ~ -14dBm	LC	-31dBm	1310nm	2km
	SM	-14 ~ -8dBm	Bi-Di LC	-32dBm	Tx 1550nm Rx 1310nm	20km

GbE 1000Mbps series

-LX	MM	-9.5 ~ -4dBm	LC	-18dBm	850nm	200m/500m
	SM	-9.5 ~ -3dBm	LC	-20dBm	1310nm	10km

-LX20	MM	-9.5 ~ -4dBm	LC	-18dBm	850nm	200m/500m
	SM	-8 ~ -2dBm	LC	-23dBm	1310nm	20km

-LX30	MM	-9.5 ~ -4dBm	LC	-18dBm	850nm	200m/500m
	SM	-4 ~ +1dBm	LC	-24dBm	1310nm	30km

-LX50	MM	-9.5 ~ -4dBm	LC	-18dBm	850nm	200m/500m
	SM	-4 ~ +1dBm	LC	-24dBm	1550nm	50km

-LX70	MM	-9.5 ~ -4dBm	LC	-18dBm	850nm	200m/500m
	SM	0 ~ +5dBm	LC	-24dBm	1550nm	70km

-W3510	MM	-9.5 ~ -4dBm	LC	-18dBm	850nm	200m/500m
	SM	-9 ~ -3dBm	Bi-Di LC	-21dBm	Tx 1310nm Rx 1550nm	10km

-W5310	MM	-9.5 ~ -4dBm	LC	-18dBm	850nm	200m/500m
	SM	-9 ~ -3dBm	Bi-Di LC	-21dBm	Tx 1550nm Rx 1310nm	10km

-W3410	MM	-9.5 ~ -4dBm	LC	-18dBm	850nm	200m/500m
	SM	-9 ~ -3dBm	Bi-Di LC	-21dBm	Tx 1310nm Rx 1490nm	10km

-W4310	MM	-9.5 ~ -4dBm	LC	-18dBm	850nm	200m/500m
	SM	-9 ~ -3dBm	Bi-Di LC	-21dBm	Tx 1490nm Rx 1310nm	10km

-W3520	MM	-9.5 ~ -4dBm	LC	-18dBm	850nm	200m/500m
	SM	-8 ~ -3dBm	Bi-Di LC	-23dBm	Tx 1310nm Rx 1550nm	20km

-W5320	MM	-9.5 ~ -4dBm	LC	-18dBm	850nm	200m/500m
	SM	-8 ~ -3dBm	Bi-Di LC	-23dBm	Tx 1550nm Rx 1310nm	20km

GbE: Gigabit Ethernet, FE: Fast Ethernet
 200m/500m: 200 meters with MMF 62.5/125 , 500 meters with MMF 50/125
 *Data for 62.5/125µm MMF, 9 /125µm SMF



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

Trademarks: All brand names are trademarks or registered trademarks of their respective holders.
 This information is subject to change without prior notice.