



KGC-311 Series



Multimode to Single Mode Optical Fiber Media Converter

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	108 x 72.5 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



FCC Part 15, Class A
CISPR 22 Class A

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trademarks of their respective holders.
This information is subject to change without prior notice.

-FW3520	MM SM	-20 ~ -14dBm -14 ~ -8dBm	LC Bi-Di LC	-31dBm -32dBm	1310nm Tx 1310nm Rx 1550nm	2km 20km
-FW5320	MM SM	-20 ~ -14dBm -14 ~ -8dBm	LC Bi-Di LC	-31dBm -32dBm	1310nm Tx 1550nm Rx 1310nm	2km 20km

GbE 1000Mbps series

-LX	MM SM	-9.5 ~ -4dBm -9.5 ~ -3dBm	LC LC	-18dBm -20dBm	850nm 1310nm	200m/500m 10km
-LX20	MM SM	-9.5 ~ -4dBm -8 ~ -2dBm	LC LC	-18dBm -23dBm	850nm 1310nm	200m/500m 20km
-LX30	MM SM	-9.5 ~ -4dBm -4 ~ +1dBm	LC LC	-18dBm -24dBm	850nm 1310nm	200m/500m 30km
-LX50	MM SM	-9.5 ~ -4dBm -4 ~ +1dBm	LC LC	-18dBm -24dBm	850nm 1550nm	200m/500m 50km
-LX70	MM SM	-9.5 ~ -4dBm 0 ~ +5dBm	LC LC	-18dBm -24dBm	850nm 1550nm	200m/500m 70km
-W3510	MM SM	-9.5 ~ -4dBm -9 ~ -3dBm	LC Bi-Di LC	-18dBm -21dBm	850nm Tx 1310nm Rx 1550nm	200m/500m 10km
-W5310	MM SM	-9.5 ~ -4dBm -9 ~ -3dBm	LC Bi-Di LC	-18dBm -21dBm	850nm Tx 1550nm Rx 1310nm	200m/500m 10km
-W3410	MM SM	-9.5 ~ -4dBm -9 ~ -3dBm	LC Bi-Di LC	-18dBm -21dBm	850nm Tx 1310nm Rx 1490nm	200m/500m 10km
-W4310	MM SM	-9.5 ~ -4dBm -9 ~ -3dBm	LC Bi-Di LC	-18dBm -21dBm	850nm Tx 1490nm Rx 1310nm	200m/500m 10km
-W3520	MM SM	-9.5 ~ -4dBm -8 ~ -3dBm	LC Bi-Di LC	-18dBm -23dBm	850nm Tx 1310nm Rx 1550nm	200m/500m 20km
-W5320	MM SM	-9.5 ~ -4dBm -8 ~ -3dBm	LC Bi-Di LC	-18dBm -23dBm	850nm Tx 1550nm Rx 1310nm	200m/500m 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