



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

KC-3DR :
Din-Rail mounting bracket



KC-1300 :
Managed center chassis



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, CISPR 22 Class A	

Fiber Ordering Information :

Model Ext#	Port Type	Port Tx Power (dBm)	Connector	Rx Sensitivity (dBm)	Wavelength (nm)	Ref. Distance
FE 100Mbps series						
-FSL3	MM	-20 ~ -14	LC	-31	1310	2 km
	SM	-15 ~ -8	LC	-34	1310	30 km
-FSL6	MM	-20 ~ -14	LC	-31	1310	2 km
	SM	-5 ~ 0	LC	-35	1310	60 km
-FSL10	MM	-20 ~ -14	LC	-31	1310	2 km
	SM	-5 ~ 0	LC	-35	1550	100 km



Ordering Information :

Model: KGC-311	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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-FW3520	MM	-20 ~ -14	LC	-31	1310	2 km
	SM	-14 ~ -8	Bi-Di LC	-32	Tx 1310 Rx 1550	20 km

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

GbE 1000Mbps series

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

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

-LX30	MM	-9.5 ~ -4	LC	-18	850	200m/500m
	SM	-4 ~ +3	LC	-23	1310	30 km

-LX50	MM	-9.5 ~ -4	LC	-18	850	200m/500m
	SM	-4 ~ +1	LC	-23	1550	50 km

-LX70	MM	-9.5 ~ -4	LC	-18	850	200m/500m
	SM	0 ~ +5	LC	-23	1550	70 km

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

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

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

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

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

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

* GbE : Gigabit Ethernet, FE: Fast Ethernet

* 200m/500m : 200 meters with MMF 62.5/125 , 500 meters with MMF 50/125