



# KG-500F



## 1000Base-X Gigabit Ethernet PCI Adapter with SFP Support

### Ordering Informations:

Model	Fiber Mode	Connector	Ref. Distance
KG-500F-SX	62.5/125 50/125	LC	200m 500m
KG-500F-LX	MM SM	LC	550m 10km

MM: Multimode Fiber  
SM: Single Mode Fiber  
Ref. Distance: Reference connection distance

### Key Features:

- Supports 32-bit 33/66MHz PCI of Rev.2.1/2.2/2.3 specification
- IEEE 802.3z 1000Base-SX/LX compliant
- Provides Tx 8K / Rx 64KB RAM buffer
- Supports full duplex operation up to 2000Mbps data rate over fiber
- Supports full duplex flow control
- Plug-and-Play installation
- Provides LED indicators for easy diagnostic
- Provides SFP to support variety of fiber transceivers
- Complete driver support for most operating systems
- Supports 802.1Q VLAN tagging

### Specifications:

Standards	IEEE 802.3z 1000Base-SX/LX
Network Port	SFP for 1000Mbps mini-GBIC fiber transceiver
Host Interface	32-bit 33/66Mhz PCI Rev.2.1/2.2/2.3
LEDs	SFP status, Link status, Optical status
Network Cables	50/125 $\mu$ m multimode fiber up to 500m 62.5/125 $\mu$ m multimode fiber up to 220m 9/125 $\mu$ m single mode fiber
Transfer Rate	Gigabit Ethernet: 2000Mbps (Full-duplex)
Driver Support	Windows XP, 2000, 2003, VistaX32/64, Linux, Netware server
Power Consumption	3.3V/400mA max.
Dimension	130 x 65 mm
Environment	Operation Temperature: 0°C ~ 50°C Storage Temperature: -20°C ~ 85°C Relative Humidity: 5% ~ 95%non-condensing
Laser eye safe	IEC 60825-1 Class 1/CDRH Class I
Approval	FCC Class B,CE CISPR22 Class B



FCC Part 15, Class B  
CISPR 22 Class B

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### Fiber Optical Specifications:

Model	Connector	Fiber	Wavelength	Tx Power	Rx Sens.	Rx Max.	Distance
KG-500F-SX	LC	62.5/125 $\mu$ m MMF 50/125 $\mu$ m MMF	850nm	-9.5 ~ -4dBm	-18dBm	-1dBm	200m 500m
KG-500F-LX	LC	MMF SMF	1310nm	-9.5 ~ -3dBm	-20dBm	-3dBm	550m 10km

MMF: Multimode fiber -62.5/125  $\mu$ m,50/125  $\mu$ m  
SMF: Single Mode fiber -9 /125  $\mu$ m