

Optical Gigabit Ethernet Converter FGE-100-C

FGE-100-C is a gigabit Ethernet media converter that can support one 10/100/1000Base-T (UTP/RJ-45) port and one 1000Base-X (optical) port to extend the transmission distance up to 20Km. Plug-and-play design is implemented to ease the installation.



FGE-100-C is available in a compact stand-alone box to meet versatile field installation demands like on desktop.

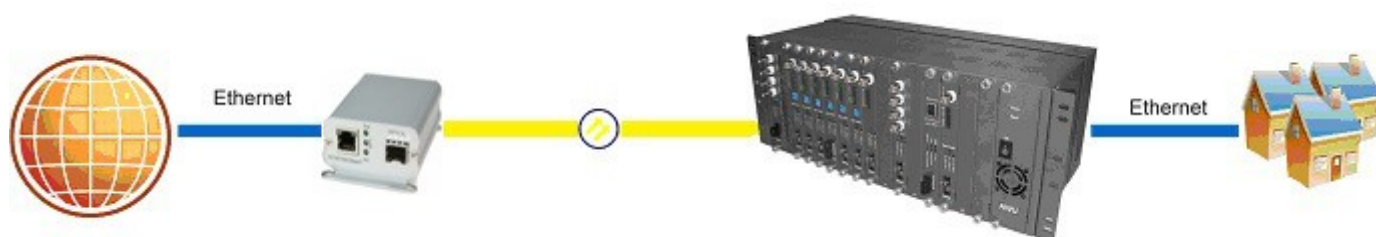
Features :

- ◆ Compliant to IEEE802.3ab 1000Base-T
- ◆ Compliant to IEEE802.3z 1000Base-SX/LX
- ◆ Compliant to EFM 1000Base-LX10/BX10
- ◆ Maximum reach is 500m with Multimode Fiber
- ◆ Distance Up to 10Km with Single Mode Fiber
- ◆ Clear LED Indications
- ◆ Configurable data rate between 10/100/1000M
- ◆ Half duplex and full duplex selectable
- ◆ MTBF > 50000 Hours

Applications :

- ◆ High-Resolution and Realtime Video Transmission
- ◆ Video Broadcasting
- ◆ Industrial Monitoring
- ◆ High Quality Audio Transmission
- ◆ VoIP Application
- ◆ Broadband Data Communication

Application Note



Performance Specification

Physical	
Data Format	IEEE 802.3
LED Indicators	Power*1、UTP Link Speed*1、UTP Activity*1、Optical Activity*1, Optical Link*1
Power	12V/DC 1A
Ethernet Copper Interface	
Standard	IEEE 802.3ab 10/100/1000Base-T
MDI / MDI-X	Auto-MDI/MDI-X
Duplex	Full-Duplex/Half Duplex
Connector Type	RJ-45
Ethernet Optical Interface	
Standard	IEEE 802.3z 1000Base-SX/1000Base-LX/1000Base-BX
Connector Type	Simplex/Duplex LC/ST/FC/SC
Single Mode	9/125 μ m; 1310nm or 1550nm
Multimode	50/125, 62.6/125 μ m; 850nm or 1310nm
Environment	
Ambient Temperature	-20 °C ~ 75 °C
Storage Temperature	-20 °C ~ 85 °C
Humidity	0 ~ 95% (Non-condensing)
Certificate	FCC, CE
Dimension	
Cassette	86 x 86 x 26 mm (W x D x H)
Weight (Standalone/Module)	100g