

## OPK-GM01/GS01-10/100/1000M Series Media Converter

### Description:

OPK-GM01/GS01-10/100/1000M Series Gigabit Fiber Media Converter can convert Optical – Electric Ethernet signals between 10/100/1000M UTP interface (TX) and 1000M optical fiber interface (FX). The traditional 10/100/1000M gigabit Ethernet can be extended to the distance of 100km through optical fiber link. The performance and quality of the products are excellent because of adopting latest Gigabit IC from USA and Taiwan. 6 Group LED indicated lights could fully monitor the working conditions of converters. It is easy for users to observe and diagnose the failure of converters. OPK Series Gigabit Converters could be used alone, or inserted to 14 slots Converters Rack supplied by Optic king which is suitable for the use of Network Centre. GS01 could use not only duplex fiber optical module, but also single fiber optical transceiver. When use single fiber optical transceiver, it must be in pairs and could extend traditional 10/100M Fast Ethernet to the distance of 90Km.



OPK-GM01/GS01

### Main Features:

- ◆ Auto negotiation function allows UTP ports to auto select 10/100/1000M and Full Duplex or Half Duplex
- ◆ The UTP port supports the connection of MDI/MDI-X auto crossover
- ◆ Multimode Fiber: the max distance up to 224m/ 550m  
Singlemode Fiber: the max distance up to 100km
- ◆ Supporting the max 1536 byte Ethernet packet
- ◆ Supporting flow control
- ◆ Adopting internal power supply



OPK-GS01-Bidi

### Technical Specifications:

- ◆ Operating standards: IEEE802.3z/AB, 1000Base-T and 1000Base-SX/LX
- ◆ MAC address table: 4K
- ◆ Data Buffer: 256K
- ◆ Connector: UTP: RJ-45, 10/100/1000Mbps; Fiber: SC, 1000Mbps
- ◆ Cable :  
UTP cable: Cat 5e or Cat 6 (the max distance up to 100m)  
Fiber: Multimode: 50/125, 62.5/125  $\mu\text{m}$  (the max distance up to 550/224m)  
Singlemode: 8.3/125, 8.7/125, 9/125  $\mu\text{m}$ (the max distance up to 100km)
- ◆ Flow control  
Full Duplex: IEEE802.3x  
Half Duplex: Back pressure.
- ◆ Power: AC 110-220V to DC 5V, DC 48V to DC 5V
- ◆ Ambient temperature: 0~+50°C
- ◆ Storage temperature: -20~+70°C
- ◆ Humidity: 5%~90%
- ◆ Dimensions: Internal power: 30x110x140mm External power: 26x70x93mm