

OPK-HM01/ HS01-10/100M Series Media Converter

Description:

OPK-HM01/HS01 series Fiber Media Converter can convert Optical – Electric Ethernet signals between 10/100M UTP interface (TX) and 100M optical fiber interface (FX). It can extend traditional 10/100M fast Ethernet to the distance of 120Km through optical fiber link. It possesses stable performance and good quality by adopting latest IC packages from USA and Taiwan. 6 Group LED indicated lights could fully monitor the working conditions of Converters. It is easy for end-users to observe network operation. OPK series external power supply 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. HS01 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-HM01/HS01

Main Features:

- ◆ Auto negotiation function allows UTP port to auto select 10M or 100M, and Full Duplex or Half Duplex
- ◆ UTP port supports MDI/MDI-X auto crossover Indicator function of link fault (LFP): When optical fiber or UTP is at fault, the converter could stop all the link. (Optional)
- ◆ Multiple Optical Transceiver could be chosen: SC, ST or FC, Singlemode / Multimode
- ◆ Supporting 1600 bytes packet for management
- ◆ Converter working mode could be chosen: Store and forward switch mode, Modified cut-through switch mode, or Converter mode
- ◆ Internal or External switching power: for users to choose



OPK-HS01-Bidi

Technical Specifications:

- ◆ Operating standards: IEEE802.3u、10/100Base-TX and 100Base-FX
- ◆ Data buffer: Built-in 128Kbyte RAM
- ◆ Connectors: UTP Connector: RJ-45, 10/100Mbps; Fiber Connector: ST/SC/FC, 100Mbps
- ◆ Cable:
 - UTP: Cat. 5 (the max distance up to 100m)
 - Fiber (Multimode): 50/125, 62.5/125 μm (the max distance up to 2km or 5km)
 - Fiber (Singlemode): 8.3/125, 8.7/125, 9/125, 10/125 μm (the max distance up to 20 –120km)
- ◆ Flow Control
 - Full Duplex: Supporting standard IEEE802.3x
 - Half Duplex: Back pressure
- ◆ LED: Power, FX SD, FX Link/Act, TX 100, TX FDX, TX Link/Act
- ◆ Power Requirement: AC 110~240V to DC 5V; DC 48V to DC 5V
- ◆ Ambient Temperature: 0~50 $^{\circ}\text{C}$
- ◆ Storage Temperature: - 40~70 $^{\circ}\text{C}$
- ◆ Humidity: 5~90%
- ◆ Dimensions: Internal power: 30x110x140mm External power: 26x70x93mm