

# HFD-FO-1000M Series

## 10/100/1000M Ethernet Fiber Optic Converter



### Product Description

The HFD Series 10/100/1000M industrial-grade Auto-Sensing Ethernet Fiber Optic Media Converter is designed using advanced fiber optic technology. This series transmit and receive 10/100/1000 Mbps (no adjustment is required) data over two single-mode optical fibers, extending the Ethernet transmission distance from its normal few hundred meters to 0-120 kilometers. By using optical fiber as transmission media, this series continue to perform its secured, high-speed and long-distance communication even under the adverse condition such as lightning, power surge and electromagnetic interference; substantial saving on lightning and power surge protection equipments if copper wires were used.

### Technical Specification

ETHERNET	
Supporting standards	IEEE802.3 10Base-T, 100Base-T,1000Base-T
Data Rate	10/100/1000Mbps auto-sensing, Full Duplex or Half Duplex
Physical Interface	RJ45, DCE interface

<b>OPTICAL</b>	
Number of Fibers	2 or 1
Wavelength	SM:1310/1550nm MM: 850/1310nm
Fiber Type	9/125μm(SM) ,62.5/125μm(MM)
Distance	0 ~ 20km(SM),0~2km(MM)
Connector Type	ST/FC/SC

<b>GENERAL</b>	
Operating Temperature	-30 ~ 70 °C / -30 ~ +158°F
Relative Humidity	0 ~ 95% non-condensing
Mean Time Between Failure (MTBF)	> 600,000hrs
Power Supply Adaptors	AC 220V 110v or DC+110V,+5V,+12V,+24V,+48V Option
Enclosure Color	Blue
Dimensions ( L×W×H )	120(H)×33(W)×88(D) DIN Rail

## Ordering Information:

Model Number	Description	Fiber Mode	Fiber Connector
HFD-FO-1000M-P1M	Fiber Optic Converter,Point to Point Link,Single Fiber(BI-DI), 2km,DIN Rail Mount	Multi Mode	ST/SC/FC
HFD-FO-1000M-P1S	Fiber Optic Converter,Point to Point Link, Single Fiber(BI-DI), 20km,DIN Rail Mount	Single Mode	ST/SC/FC
HFD-FO-1000M-P2M	Fiber Optic Converter,Point to Point Link,Dual Fiber(BI-DI), 2km	Multi Mode	ST/SC/FC
HFD-FO-1000M-P2S	Fiber Optic Converter,Point to Point Link,Dual Fiber, 20km	Single Mode	ST/SC/FC