HFD-FO-100M Series

DIN Rail 10/100M Ethernet Fiber Media Converter

Product Description

The HFD Series 10/100M Auto-Sensing Ethernet Fiber Optic Transceiver is designed using advanced fiber optic technology. This series transmit and receive 10/100 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 lighting, power surge and electromagnetic interference; substantial saving on lighting and power surge protection equipments if copper wires were used.

The HFD Series is fully assembled using SMT components for stability and reliability.

Technical Specification

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

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

GENERAL	
Operating Temperature	-40 ~ 70˚C / -40 ~ +158ºF
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