



HFD-FO-1000M2 Series

DIN Rail 10/100/1000M Ethernet Fiber Media Converter



Product Description

The HFD Series 10/100/1000M Auto-Sensing Ethernet Fiber Optic Transceiver 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.

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

**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, 2 ports

OPTICAL	
Number of Fibers	2 or 1
Wavelength	SM:1310/1550nm MM: 850/1310nm
Fiber Type	9/125 μ m(SM) ,62.5/125 μ m(MM)
Distance	0 ~ 20km(SM),0~2km(MM) Option: 40/60/80/120km
Connector Type	ST/FC/SC

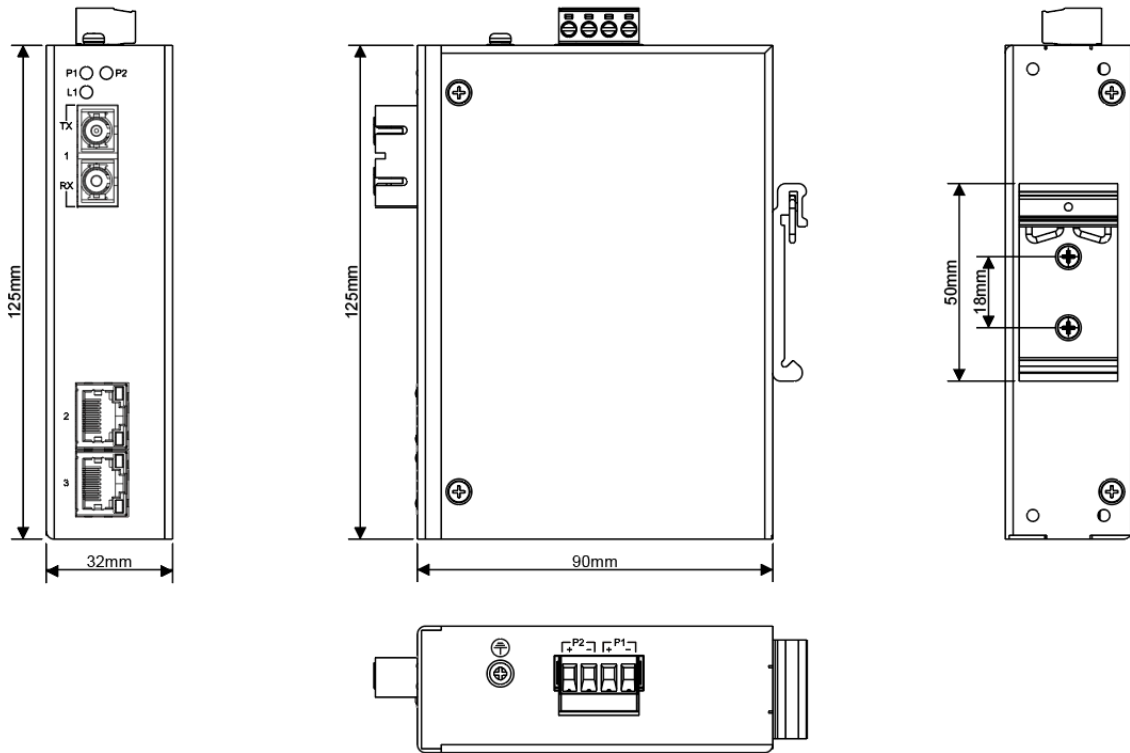
GENERAL	
Operating Temperature	-40 ~ 70°C / -40 ~ +158°F
Relative Humidity	0 ~ 95% non-condensing
Mean Time Between Failure (MTBF)	> 600,000hrs
Power Supply Adaptors	12~36V DC(Dual redundant power supplies) or 85~264VAC/77~300VDC(Single power supply)
Enclosure Color	Black
Dimensions (W x H x D) mm	30x 125 x 88mm
IP Grade	IP40
Power Consumption	\leq 3W
Power Supply Protection	Reverse connection, Overload
Mount Way	DIN Rail
Warranty	2 to 5 Years

IEEE STANDARD	
IEEE 802.3	10BaseT Ethernet
IEEE 802.3u	100BaseT(X) and 100BaseFX Fast Ethernet
IEEE 802.3ab	1000BaseT(X) Ethernet
IEEE 802.3z	1000BaseX Ethernet
IEEE 802.3x	Flow Control
CERTIFICATE	
EMC	CE, FCC
EMI	FCC Part 15. CISPR(EN55022) class A
EMS	EN61000-4-2 (ESD) Level 3,
	EN61000-4-3 (RS) Level 3,
	EN61000-4-4 (EFT) Level 3,



	EN61000-4-5 (Surge) Level 3,
	EN61000-4-6 (CS) Level 3,
	EN61000-4-8
Shock	IEC60068-2-27
Freefall	IEC60068-2-32
Vibration	IEC60068-2-6
Green Product	RoHS, WEEE

Enclosure Physical Sketch





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-1000M2-P1M	Fiber Optic Converter,Point to Point Link,Single Fiber(BI-DI), 2km,DIN Rail Mount	Multi Mode	ST/SC/FC
HFD-FO-1000M2-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
HFD-FO-1000M2-P2M	Fiber Optic Converter,Point to Point Link,Dual Fiber(BI-DI), 2km	Multi Mode	ST/SC/FC
HFD-FO-1000M2-P2S	Fiber Optic Converter,Point to Point Link,Dual Fiber, 20km	Single Mode	ST/SC/FC

