



BUENO ELECTRIC

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HFD-FO-100M2 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 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
Data Rate	10/100Mbps 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	9/125μm(SM) ,62.5/125μm(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	12~36V DC: 26 x 95x 70mm 85~264V AC:30x 115 x 88mm
IP Grade	IP40
Power Consumption	≤ 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 802.3x	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,



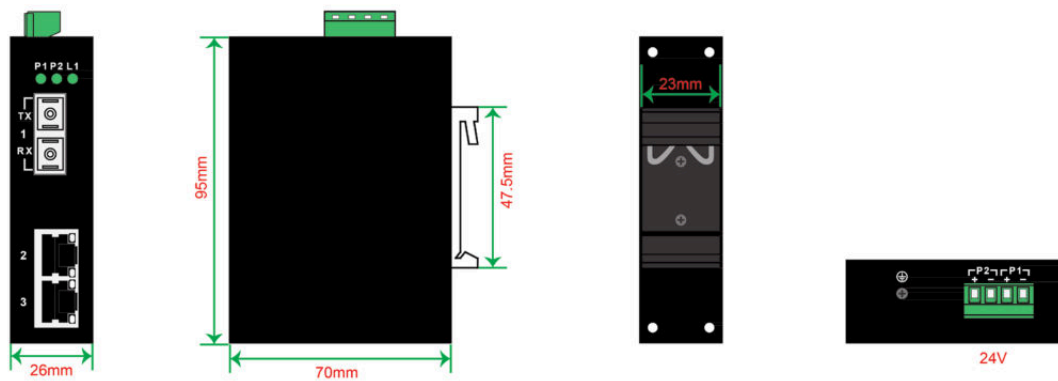
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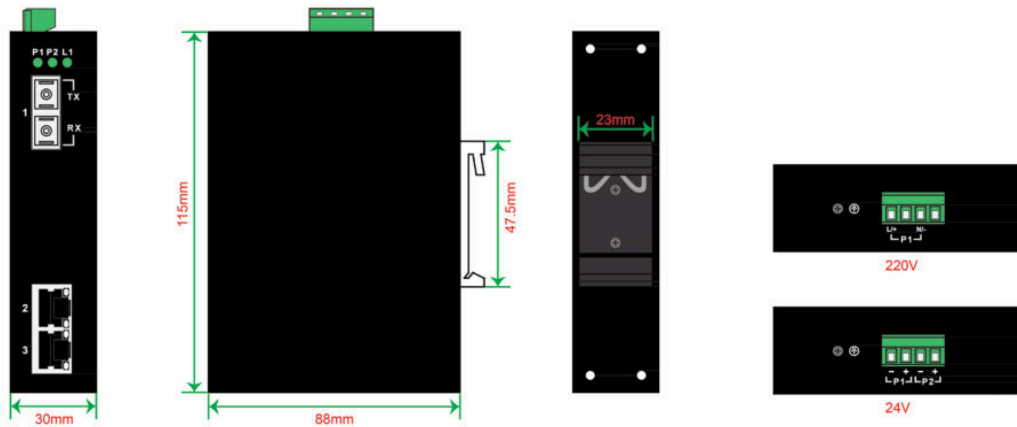
	EN61000-4-6 (CS) Level 3,
	EN61000-4-8
Shock	IEC60068-2-27
Freefall	IEC60068-2-32
Vibration	IEC60068-2-6
Green Product	RoHS, WEEE

Enclosure Physical Sketch

12~36V DC:



85~264VAC/77~300VDC:





Ordering Information:

Model Number	Description	Fiber Mode	Fiber Connector
HFD-FO-100M-P1M	Fiber Optic Converter,Point to Point Link,Single Fiber(BI-DI), 2km,DIN Rail Mount	Multi Mode	ST/SC/FC
HFD-FO-100M-P1S	Fiber Optic Converter,Point to Point Link, Single Fiber(BI-DI), 20km,DIN Rail Mount	Single Mode	ST/SC/FC
HFD-FO-100M2-P1M	Fiber Optic Converter,Point to Point Link,Single Fiber(BI-DI), 2km,DIN Rail Mount	Multi Mode	ST/SC/FC
HFD-FO-100M2-P1S	Fiber Optic Converter,Point to Point Link, Single Fiber(BI-DI), 20km,DIN Rail Mount	Single Mode	ST/SC/FC
HFD-FO-100M-P2M	Fiber Optic Converter,Point to Point Link,Dual Fiber(BI-DI), 2km	Multi Mode	ST/SC/FC
HFD-FO-100M-P2S	Fiber Optic Converter,Point to Point Link,Dual Fiber, 20km	Single Mode	ST/SC/FC
HFD-FO-100M2-P2M	Fiber Optic Converter,Point to Point Link,Dual Fiber(BI-DI), 2km	Multi Mode	ST/SC/FC
HFD-FO-100M2-P2S	Fiber Optic Converter,Point to Point Link,Dual Fiber, 20km	Single Mode	ST/SC/FC

