

HMC-IMI-F1N

Mini-Type 10/100Base-TX to 100Base-FX Ethernet Media Converter



Features

- Unit and Port LEDs allow for quick status information
- Auto-Negotiation Fixed Full-Duplex on fiber
- Auto-MDI/MDIX
- Automatic Link Restoration
- Eliminate Collision Domains
- 10/100Base-TX UTP to 100Base-FX fiber media conversion
- Support IEEE802.3 10Base-T, IEEE802.3u 100Base-TX/FX standards
- DIP switch to set different configurations
- LFP (Link Fault Pass-through) support
- Compact package size



Specifications

Standards	IEEE802.3 IEEE802.3u IEEE802.3x 100Base-FX
Data Rate	10/100Mbps
Port Type	1 × RJ45 to 1 × 100Base-FX fiber
Status LEDs	PWR (Power) below RJ-45: On = Power FX-Link/Act (Fiber Link / Activity) Upper Left on RJ-45: On = link, Flashing = Activity TX-Link/Act (Copper Link / Activity) Upper Right on RJ-45: On = link, Flashing = Activity
Dimensions	60 × 90 × 20 mm
Case Material	Iron
Power Consumption	< 3W
Power Supply	DC 5~12V
Cooling	Free air convection
Conversion means	Store and Forward mode
Flow control	Full duplex: flow control Half duplex: back pressure
Dip Switch	#1 LFP (Link Fault Pass Through) ON/OFF #2 ALS (Only for SFP) ON/OFF #3 FX Reset ON/OFF

#4 FX Speed Setting (OFF: Fixed 1000M; ON: 100M/1000M)

Environment

Operating: 0°C to 50°C (32°F to 122°F)
Storage: -15°C to 65°C (5°F to 149°F)
Humidity: 5% to 95% (non-condensing)

Weight

0.15 kg

Ordering Information

Available Model	Description
HMC-IDM-F1N	Mini-Type 10/100Base-TX to 100Base-FX Ethernet Media Converter

(N)=	Fiber Options	Wavelengths	Link Budget	Maximum distance
A	Multimode/2-fiber/SC	1310nm	15dB	2km
B	Singlemode/2-fiber/SC	1310nm	19dB	20km
C	Multimode/WDM 1-fiber/SC	TX:1310nm/RX:1550nm	15dB	2km
D	Multimode/WDM 1-fiber/SC	TX:1550nm/RX:1310nm	15dB	2km
E	Singlemode/WDM 1-fiber/SC	TX:1310nm/RX:1550nm	19dB	20km
F	Singlemode/WDM 1-fiber/SC	TX:1550nm/RX:1310nm	19dB	20km
G	Multimode/2-fiber/ST	1310nm	15dB	2km
H	Singlemode/2-fiber/ST	1310nm	19dB	20km
I	Multimode/WDM 1-fiber/ST	TX:1310nm/RX:1550nm	15dB	2km
J	Multimode/WDM 1-fiber/ST	TX:1550nm/RX:1310nm	15dB	2km
K	Singlemode/WDM 1-fiber/ST	TX:1310nm/RX:1550nm	19dB	20km
L	Singlemode/WDM 1-fiber/ST	TX:1550nm/RX:1310nm	19dB	20km

Optional Accessories (to be purchased separately)

Rack and Chassis mount	1U 19-inch Rack for mini-type product mountable up to 12 slots
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Package Checklist

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|---|----|
| • Fast Ethernet Media Converter | x1 |
| • 1A 5VDC power adapter with open wire for terminal block | x1 |
| • Quick Installation Guide | x1 |

NOTES:

1. Transmission distance will suffer if additional losses are introduced by the optical connectors, fusions, splices and the fibers within the network
2. Operating distance of multimode is limited by the characteristics of the fiber bandwidth.
3. Please feel free to consult factory for any special requirement and customization.



Hepda Pte Ltd, 2024

Due to continuous improvement, all product specifications are subject to change without further notice.