



NT-1101

10/100M Fiber Media Converter with LFP/(USB powered)

10/100Base-TX to 100Base-FX Bridge Fiber Converter with LFP / (USB-powered)

Overview

NT-1101 is a 10/100Base-TX to 100Base-FX media converter, which features LFP (Link Fault Pass-through) function for easily tracing the network link failure. LFP function can enhance the integrate and conformity of the TP-Fiber linking to improve the maintainability of the network. NT-1101 can be powered through external power adapter or uses power from USB port on the hosting device such as PC or NB. This unique idea of using USB port power offers great flexibility when deploying this converter. Five LEDs are provided to monitor the operation status of the converter and the DIP Switch on the side panel is used to set the required working configurations to meet various applications. NT-1101 can be used as a standalone unit or as a slide-in module to N-Net's NT-R14 converter rack (up to 14 units) for use at a central wiring closet.





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Key Features

- ◇ LFP (Link Fault Pass-through) Function
- ◇ Power from External Power Adapter or from USB Port
- ◇ Choice of SC, ST or LC connector for multimode and single mode
- ◇ DIP Switch to set configurations
- ◇ Supports packet length up to 1536 bytes

Technical Specifications

- Standard Compliance: IEEE802.3u 10/100Base-TX, 100Base-FX
- Data Transfer Rate:

Speed	Forwarding Rate
100Mbps	148,800 PPS
10Mbps	14,880 PPS

- Buffer Memory: 128K
- Connector:

RJ-45: 10/100Mbps (Auto-negotiation) ST/SC/LC: 100Mbps

- Cable:

TP: Cat.5 (Support distance up to 100m)

Fiber (M-M): 50/125, 62.5/125, 100/140 μ m (Support distance up to 2Km)

Fiber (S-M): 8.3/125, 8.7/125, 9/125, 10/125 μ m (Support distance up to 10km)

- Flow Control:

IEEE802.3x compliant for full-duplex Back pressure flow control for half-duplex

- LED Indicator

LED	Color	Function
FX LNK/ACT	Green	Lit when both fiber &TP connection are good Blink when fiber data is present
FX FDX/COL	Amber	Lit when full-duplex mode is active Off when half-duplex mode is active Blink when collision is present
TX LNK/ACT	Green	Lit when TP connection is good Blink when TP data is receiving
TX 100	Green	Lit when TP speed is 100Mbps Off when TP speed is 10Mbps
POWER	Green	Lit when 5V power is coming up



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DIP Switch Function:

- (1) TP port mode: Auto (default) or Force
- (2) TP port speed: 100 or 10 when TP at Force
- (3) TP port duplex: FDX or HDX when TP at Force
- (4) LFP: LFP enabled (default) or disabled
- (5) Fiber port duplex: 100 FDX (default) or 100 HDX

Power Requirement

5VDC/1A or above from AC-DC Adapter (standard package) 5VDC/0.5A or above from USB port (USB cable is optional)

- Operation Temperature: 0~50 °C
- Humidity: 5~90%
- Dimensions: 26.2(H) x 70.3(W) x 94(D) mm
- Weight: 0.2kg

Order Information

NT-1101	10/100Base-TX to 100Base-FX FE Media Converter with LFP, SC Multi-Mode,2km
NT-1101S-20	10/100Base-TX to 100Base-FX FE Media Converter with LFP, SC Single-Mode,20km
NT-1101S-40	10/100Base-TX to 100Base-FX FE Media Converter with LFP, SC Single-Mode,40km
NT-1101S-60	10/100Base-TX to 100Base-FX FE Media Converter with LFP, SC Single-Mode60km
NT-1101S-80	10/100Base-TX to 100Base-FX FE Media Converter with LFP, SC Single-Mode80km
NT-1101S-100	10/100Base-TX to 100Base-FX FE Media Converter with LFP, SC Single-Mode100km
NT-S1101-20	10/100Base-TX to 100Base-FX FE Media Converter with LFP, Bidi SC Single-Mode 20km,1310nm
NT-S1101-40	10/100Base-TX to 100Base-FX FE Media Converter with LFP, Bidi SC Single-Mode 40km,1310nm
NT-S1101-60	10/100Base-TX to 100Base-FX FE Media Converter with LFP, Bidi SC Single-Mode 60km,1310nm