

NXF-742

Enhanced 10/100Base-TX to 100Base-FX Media Converter

The NXF-742 Media Converter is a cost-effective, feature-packed solution for expanding or extending an existing Ethernet/ Fast Ethernet network. The converter boasts enhanced with such features as remote and local loop back testing, auto-negotiation, and link fault signaling for total reliability. It also features seven DIP switches for manual activation of the enhanced features. This gives the NXF-742 the ability to be quickly integrated into a network configuration.



The NXF-742 can support a variety of fiber optic cables and connectors that can extend distances (up to 100km) as well as offering flexibility in the migration to 100Base-FX networks! Several converters can be simultaneously installed by using the NXF-719 12-slot 19" rack-mount chassis or NXF-717 4-slot rack-mount converter chassis.

Main Features:

Standards:

- IEEE802.3 (10BASE-T), IEEE802.3u (100BASE-TX/FX)

Interface:

- 1 x 10/100Base-TX RJ-45 port
- 1 x 100Base-TX Fiber port

Reliance and availability:

- Automatic MDI/MDI-X
- Auto-negotiation, NWay support on RJ-45
- Link Fault Signaling (LFS)
- Device DIP switches allow multiple configuration options
- Remote and local loop back test
- LEDs for at-a-glance device status

Mechanical & Environmental:

- Internal and external power supply options
- External power supply
- Chassis compliant (internal power supply)
- FCC Class A & CE approved.

Specifications

Standards:

- IEEE 802.3 10BASE-T Ethernet
- IEEE 802.3u 100BASE-TX/FX Fast Ethernet

connector:

- 1 x RJ45
- 1 x Fiber (SC/ST)

Max Distances:

- UTP: 100 meters (Cat. 3/4/5/6)
- Fiber: 2km (MM, 62.5/125 or 50/125 micron)
120km (SM)
60km (SM/SF)

Unit LED:

- PWR: illuminated for normal power
- FDX: illuminated when working in full duplex mode
- LNK: illuminated when receiving link pulses from compliant device
- LFS: illuminated when a break or disruption exists in copper or fiber links
- COL: flashing to indicate collision
- 100: illuminated when data packets are being transmitted at 100Mbps

MDI/MDI-X:

- Auto Selection

Power:

- Power Input: 12V DC, external power supply adapter
- Frequency: 47Hz to 63Hz
- Power Consumption: 2.8W
- Current: 0.23A @12V

Temperature:

- Operating: 0°C to 50°C
- Storage: -25°C to 70°C

Humidity:

- Operating: 10% to 80% RH
- Storage: 5% to 90% RH

Emissions:

- FCC Part 15 of Class A & CE Approved

Dimensions:

- 109.2 x 73.8 x 23.4mm (W x D x H)

Weight:

- 160g

Switches:

- DIP 1 - Enables / disables auto-negotiation
- DIP 2 - Copper port (RJ45) duplex mode; full-duplex or half-duplex
- DIP 3 - Copper port (RJ45) data bit rate; 10Mbps or 100Mbps
- DIP 4 - Fiber port duplex mode; full-duplex or half-duplex
- DIP 5 - Enables / disables link fault signaling (LFS)
- DIP 6 - Enables / disables local loop back (LLBK)
- DIP 7 - Enables / disables remote loop back (RLBK)

Ordering Information:

NXF-742MT:

- Enhanced 10/100Base-TX to 100Base-FX Multi-mode Media Converter (ST Connector)

NXF-742MC:

- Enhanced 10/100Base-TX to 100Base-FX Multi-mode Media Converter (SC Connector)

NXF-742SC-20/30/60/100 (km):

- Enhanced 10/100Base-TX to 100Base-FX Single Mode Media Converter (SC Connector)

NXF-742TS-20/40 (km):

- Enhanced 10/100Base-TX to 100Base-FX Single Fiber Media Converter, Transmitter (WDM TX1310nm/ RX1550nm)

NXF-742RS-20/40 (km):

- Enhanced 10/100Base-TX to 100Base-FX Single Fiber Media Converter, Receiver (WDM TX1550nm/ RX1310nm)

* WDM Single Fiber Converters must be installed with Transmitter and Receiver in pairs.