

NXF-757

10/100Base-TX to 100Base-FX Mini Converter

The NXF-757 series is among VOLKTEK's answers to expanding existing Fast Ethernet networks. The easy implementation and expansion of 100Base-TX/FX networks can be further assured with this converter.

The converter is completely transparent when connected so the network performs exactly the way it did before - only now, it allows the co-existence of both copper and fiber mediums. Added flexibility is available with ST, SC, and WDM Simplex SC connectors. Extra distances are possible with the single mode version delivering up to 80km connectivity per transmitted segment.

The NXF-757 allows the installation of fiber cabling anywhere within a Fast Ethernet network topology by directly connecting to existing devices. Its compact modular design facilitates deployment in a narrow desktop location to save space.



Main Features:

Standards:

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

Interface:

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

Reliance and availability:

- Auto MDI/MDI-X
- Auto-negotiation, NWay support on RJ-45
- Status LED's for TX,FX LINK/ACT, POWER,100M to easily monitor network status

Mechanical & Environmental:

- External power supply
- FCC Class A & CE approved

Specifications

Standards:

- IEEE 802.3 (10BASE-T)
- IEEE 802.3u (100BASE-TX/FX)

Connector:

- 1 x RJ-45
- 1 x Fiber (ST/SC)

Max. Distance:

- 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 operation
- TX LNK/ACT: Green Illuminated indicates receiving link pulses from compliant copper device and flashes when data being sent / received
- FX LNK/ACT: Green Illuminated indicates receiving link pulses from compliant fiber device and flashes when data being sent / received
- 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: 2W
- Current: 0.2A@ 12V

Temperature:

- Operating: 0°C to 50°C
- Storage: -20°C to 70°C

Humidity:

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

Emissions:

- FCC Part 15 of Class A & CE Approved

Dimensions:

- 86.2 x 59.4 x 23.4mm (D x W x H)

Weight:

- 180g

Ordering Information:

NXF-757MT:

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

NXF-757MC:

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

NXF-757SC -20/40/60/80 (km):

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

NXF-757TS -20/40/60 (km):

- 10/100Base-TX to 100Base-FX (TX1310nm/RX1550nm) Single Fiber

NXF-757RS -20/40/60 (km):

- 10/100Base-TX to 100Base-FX (TX1550nm/RX1310nm) Single Fiber

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