

### Product Introduction & Benefits

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:

- Complies with IEEE802.3 (10BASE-T), IEEE802.3u (100BASE-TX/FX)
- Extends distances ranging from 2km (multi-mode fiber) to 120km (single mode fiber)
- NWay Auto-negotiation support on RJ-45 port
- Auto-Negotiation of duplex(HDX/FDX) on RJ-45 port
- Auto MDI/MDI-X support on RJ-45 port
- Status LED's for TX,FX LINK/ACT, POWER,100M to easily monitor network status
- External power supply
- FCC Class A & CE approved



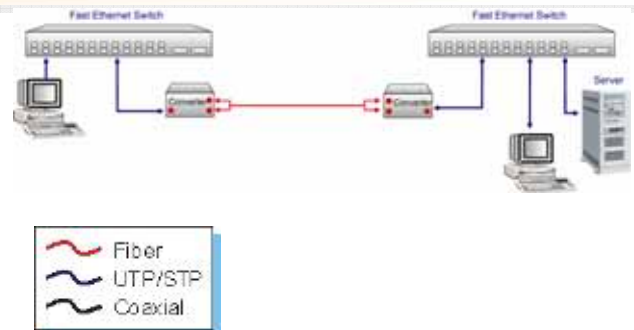
**Specifications:**

<b>Standards:</b>	IEEE 802.3 (10BASE-T) IEEE 802.3u (100BASE-TX/FX)
<b>Connector:</b>	1 x RJ-45 1 x Fiber (ST/SC)
<b>Max. Distance:</b>	UTP: 100 meters (Cat.3/4/5/6) Fiber: 2km (MM, 62.5/125 or 50/125 micron) 120km (SM) 60km (SM/SF)
<b>MDI/MDI-X:</b>	Auto Selection
<b>Power:</b>	Power Input: 12V DC, external power supply adapter Frequency: 47Hz to 63Hz
<b>Temperature:</b>	Operating: 0°C to 50°C Storage: -20°C to 70°C
<b>Humidity:</b>	Operating: 10% to 90% RH Storage: 5% to 90% RH

<b>Unit LED:</b>	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
<b>Emissions:</b>	FCC Part 15 of Class A & CE approved
<b>Dimensions:</b>	86.2 x 59.4 x 23.4mm (D x W x H)
<b>Weight:</b>	160g

**Applications:**

The following illustrates typical applications for the NXF-757 series. The actual distances will depend on several factors including the quality of cables used and the terminal equipment employed.



**Ordering Information:**

<b>NXF-757MT:</b> 10/100Base-TX to 100Base-FX Multi-mode Converter (ST Connector)
<b>NXF-757MC:</b> 10/100Base-TX to 100Base-FX Multi-mode Converter (SC Connector)
<b>NXF-757SC -20/40/60/80 (km):</b> 10/100Base-TX to 100Base-FX Single Mode Converter (SC Connector)
* Converters are also available for different long haul distance upon request, contact for availability.

<b>NXF-757TS -20/40/60 (km):</b> 10/100Base-TX to 100Base-FX (TX 1310nm/RX 1550nm) Single Fiber
<b>NXF-757RS -20/40/60 (km):</b> 10/100Base-TX to 100Base-FX (TX 1550nm/RX 1310nm) Single Fiber
* WDM Single Fiber Converters must be installed with Transmitter and Receiver in pairs.