

### Product Introduction & Benefits

The **NGF-762** media converter is specifically designed to offer fiber advantages for mission-critical networks like Telco/ISP backbones, cable operators, banking and enterprise networks. The **NGF-762** can reduce network downtime and increase Quality of Service levels. The converters are completely transparent when installed, so the network performs exactly the way it would do normally – only now, it can incorporate both copper and fiber mediums.

This flexibility in cabling allows network managers to put fiber cables anywhere within a network without changing the arrangement of the copper-based Gigabit segments. Their compact size allows the converters to be wall-mounted to save space. Several converters can be simultaneously installed by using the NXF-717 4-slot and NXF-719 12-slot, 19" rack-mountable chassis.

The **NGF-762** takes advantage of intelligent connection technology to support Auto-negotiation, thereby eliminating the hassle of manually configuring or monitoring settings. This ensures plug-n-play operability.



### Main Features:

#### Standards:

- Complies with IEEE 10/100Base-TX, IEEE 802.3ab 1000Base-T and IEEE 802.3z 1000Base-SX/LX standards

#### Interface:

- One 10/100/1000 Mbps Ethernet port
- Auto MDI/MDI-X support on RJ-45 port
- One SFP slot for Gigabit links
- Extends distances up to 220m for multi-mode SX (110km with long-haul single-mode) under full-duplex mode

#### Management:

- Alarm LED illuminates to indicate link failure
- Status LEDs for easy monitoring of device's status

#### Mechanical & Environmental:

- External power supply
- Chassis-compliant (internal power supply)
- FCC Class A & CE approved



### Specifications:

<b>Standards:</b>	IEEE 10/100Base-TX IEEE 802.3ab 1000Base-T IEEE 802.3z 1000Base-SX/LX	<b>MDI/MDI-X</b>	Auto Selection
<b>Connector:</b>	1 x RJ-45 1 x Fiber	<b>Power:</b>	Power Input: 12V DC @ 0.8A, external power supply adapter Frequency: 47Hz to 63Hz
<b>Max. Distance:</b>	UTP: 100 meters (Cat. 5/5e/6) Fiber: SFP; up to 110km (single-mode)	<b>Temperature:</b>	Operating: 0°C to 45°C Storage: -20°C to 70°C
<b>Unit LED:</b>	PWR: Illuminated for normal operation ALM: Illuminated when failure occurs on fiber or copper link LNK/ACT: Fiber link – Illuminated when receiving link pulses from compliant devices – Flashing when data packets are being transmitted / received	<b>Humidity:</b>	Operating: 10% to 80% RH Storage: 5% to 90% RH
		<b>Emissions:</b>	FCC Part 15 of Class A & CE approved
		<b>Dimensions:</b>	109.2 x 73.8 x 23.4mm (D x W x H)
		<b>Weight:</b>	158g
		<b>Dip Switches:</b>	DIP 1 – LFS: Enable/disable Link-Fault Signaling (LFS)

### Applications:

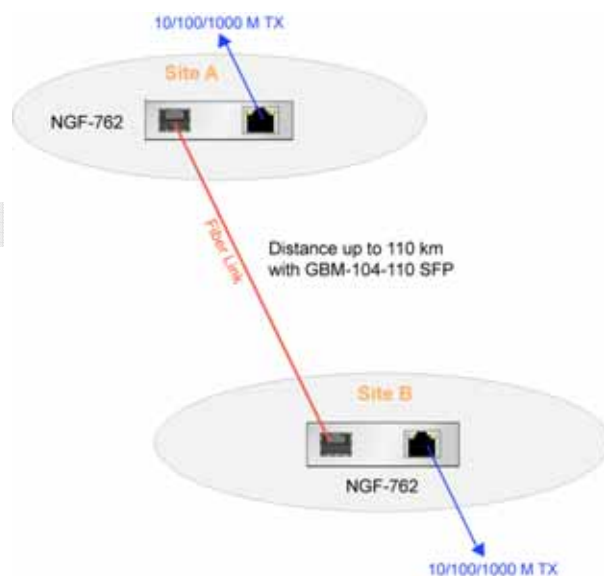
The diagram on the left illustrates a typical application for the NGF-762 converter. The actual distances will depend on several factors, including the quality of cables used and the terminal equipment employed.

### Ordering Information:

**NGF-762:**  
Gigabit Triple-Speed to 1000SX/LX (SFP) Converter

**GBM-104:**  
Mini GBIC, 1.25G SFP-type Multi-mode, 3.3V – 500m

**GBM-104-10/30/50/70/110:**  
Mini GBIC, 1.25G SFP-type Single-mode, 3.3V – 10 / 30 / 50 / 70 / 110km



(August 2006)  
Specifications subject to change without prior notice.