

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 chasses.

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:

- Link Fault Signaling
- 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:

Standards:	IEEE 10/100Base-TX IEEE 802.3ab 1000Base-T IEEE 802.3z 1000Base-SX/LX	MDI/MDI-X	Auto Selection
Connector:	1 x RJ-45 1 x Fiber	Power:	Power Input: 12V DC @ 0.8A, external power supply adapter Frequency: 47Hz to 63Hz
Max. Distance:	UTP: 100 meters (Cat. 5/5e/6) Fiber: SFP; up to 110km (single-mode)	Temperature:	Operating: 0°C to 50°C Storage: -20°C to 70°C
Unit LED:	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	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 (D x W x H)
		Weight:	158g
		Dip Switches:	DIP 1 – LFS: Enable/disable Link-Fault Signaling (LFS)

Applications:

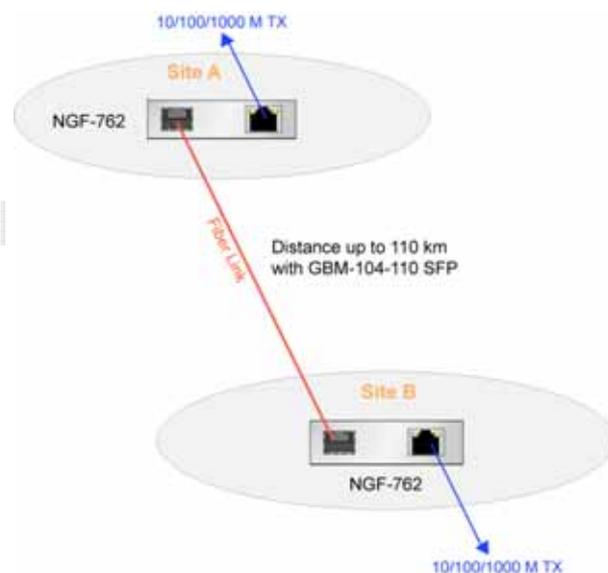
The diagram on the left illustrates a typical application for the NGF-762 converter. The actual distances will depend on several factors, including the quality of cables used and the terminal equipment employed.

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



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Specifications subject to change without prior notice.