



# GC102

## Gigabit Ethernet Media Converter

### Copper/Fiber Network Adaptability

- *Help is there when you need it! NETGEAR provides, 24x7 telephone and e-mail technical support in English, with selected local language support during office hours.*

- NETGEAR's Gigabit Ethernet Converter provides convenient flexibility for your network design, making your network compatible with copper and fiber gigabit. Use this compact, space-saving unit as a stand-alone device or use it in a back-to-back configuration; convert a fiber connection from a distant wiring closet to a copper gigabit connection, and vice versa. Easy Plug and Play technology and unmanaged simplicity make this unit a breeze to set up and run. As always, you can count on NETGEAR engineering for smooth-running quality and reliability.

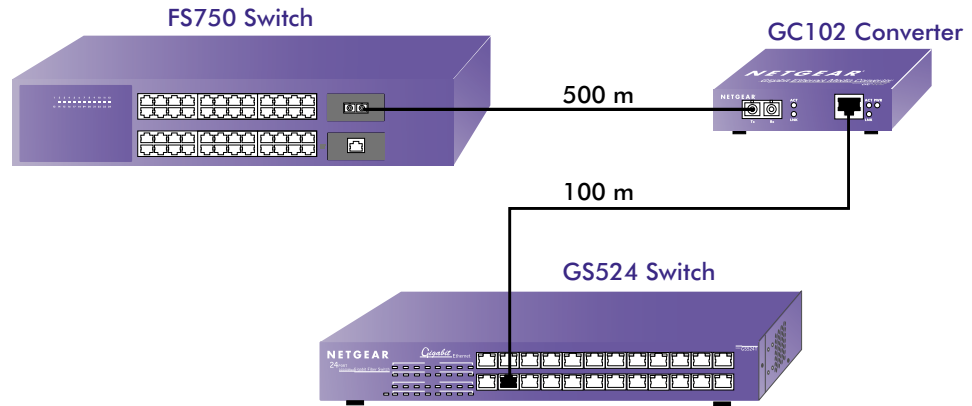
**Compatible** ● Gives small businesses the flexibility of fiber or copper media links for their gigabit backbones or networks – fiber for greater distance, copper for cost-effectiveness.

**Streamlined** ● Compactly designed for convenient installation, whether on your desktop, wall-mounted, or in a wiring closet.

**Effortless** ● Provides unmanaged ease of use, plus simple Plug and Play installation with no software to configure, which saves time and minimizes the potential for configuration errors. Power, Link, and Activity LEDs give you at-a-glance feedback on network traffic and port status.

**Hard Working** ● Built into a sturdy metal case, it includes: one RJ-45 connector port and one SC connector port, with Auto Uplink on the RJ-45 port to adjust for straight through or crossover cables.

**Dependable** ● Thorough testing ensures quality and dependable operability, and NETGEAR backs this up with a 5-year warranty, 2-year warranty on power adapter.



### Technical Specifications

- **Network Protocol and Standards Capability:**

- IEEE 802.3z 1000BASE-SX Gigabit Ethernet
- IEEE 802.3ab 1000BASE-T Gigabit Ethernet
- IEEE 802.3x Flow Control

- **Interface:**

- RJ-45 connector for 1000BASE-T
- SC connector for 1000BASE-SX

- **Cabling:**

- Category 5 cable or better to deliver 1000BASE-T up to 100m (328 ft)
- 62.5/125 micron multimode fiber cable to deliver 1000BASE-SX up to 550m (1,804 ft)

- **Input Voltage (Power Adapter):**

- 7.5V@1A

- **Environmental Specifications:**

- Operating temperature: 0 to 40°C (32 to 104°F)
- Operating humidity: 90% maximum relative humidity, noncondensing

- **Electromagnetic Emissions:**

- CE mark, commercial
- FCC Part 15, Class A
- C-Tick
- EN 55 022 (CISPR 22), Class A
- VCCI Class 1 ITE

- **Performance Specifications:**

- Network latency (using 64-byte packets): 1000 Mbps to 1000 Mbps: 1.1 microseconds, maximum

- **Power Consumption:**

- 8.5W

- **Dimensions:**

- 104mm x 95mm x 25mm (4.09 x 3.7 x 0.98 in )

- **Weight:**

- 0.3 kg (0.66 lb)

### Package Contents

- GC102 Gigabit Ethernet Media Converter
- User Installation Guide
- Power adapter
- Wall-mount kit
- Support Information card
- Warranty card

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