



## Gigabit Ethernet to SFP Media Converter

10/100/1000Base-TX to SFP slot, empty

Part No.: **510493**

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The Intellinet Network Solutions Gigabit Ethernet to SFP Media Converter is completely transparent to the network so the network performs exactly the way it did before — only now it can support both copper and fiber mediums.

### Expands the Size of an Existing Network

Provides fiber connectivity to Ethernet segments, allowing for even further networking expansion between extended workgroups. Also provides building-to-building connectivity without the need for the cost and disruption associated with the installation of additional routers.

### Enhances the Distance between Networking Devices

Connecting the converter to fiber segments can further extend distances between networking nodes. This can be achieved by direct connection between the converter and a fiber-based node or networking device.

### Cabling Flexibility

Network managers can install fiber cabling anywhere within a network without changing the arrangement of copper-based Ethernet. The compact size of the converter allows it to be easily deployed in any narrow desktop location or to be used in a wall-mount installation. Several converters can be simultaneously installed into a 19" rack-mountable chassis.

## Features:

- Data transfer rate: 1000 Mbps
- 10/100/1000Base-TX auto-sensing RJ45 port, maximum distance 100 m / 300 ft. (Cat5e and better)
- RJ45 port with Auto MDI/MDI-X support
- SFP (Small Form Factor Pluggable) optical transceiver module port (SFP module not included)
- Module port for Gigabit multimode or single-mode Mini GBIC 1.25G SFP-type fiber modules
- Status LEDs for power and Link/TX for both ports
- External power adapter, 5 VDC
- Functions as a stand-alone converter or can be used with the 14-slot media converter chassis, model 507356
- Three-Year Warranty

## Specifications:

### Standards

- IEEE 802.3 (Twisted Pair Ethernet)
- IEEE 802.3ab (Twisted Pair Gigabit Ethernet)
- IEEE 802.3u (Twisted Pair Fast Ethernet)
- IEEE 802.3z (Fiber Optic Gigabit Ethernet)

### General

- Media support:
  - 1000Base-T Cat5e or higher UTP/STP RJ45
  - Fiber media support depends on SFP module
- Connectors:
  - RJ45 port, 1000Base-T
  - SFP module slot
- Distances:
  - 100 m / 300 ft. (RJ45 cable)
  - Fiber distance depends on SFP module
- Safety & EMI certificates: FCC Class A, CE

### LEDs

- Power
- Link/Activity
- Full-Duplex/Collision
- 1000 Mbps link speed indicator for RJ45 port
- Link indicator for fiber port

### Power

- External power adapter, 5 VDC, 1.2 A
- Power consumption: 5 watts (maximum)

#### Environmental

- Metal housing
- Dimensions: 96 (L) x 70 (W) x 26 (H) mm (3.78 x 2.76 x 1.2 in.)
- Weight: 170 g (0.34 lbs.)
- Operating temperature: 0 – 50°C (32 – 122°F)
- Operating humidity: 10 – 80% RH, non-condensing
- Storage temperature: -20 – 70°C (-4 – 158°F)

#### Package Contents

- Gigabit Ethernet to SFP Media Converter
- External power adapter
- Instructions

