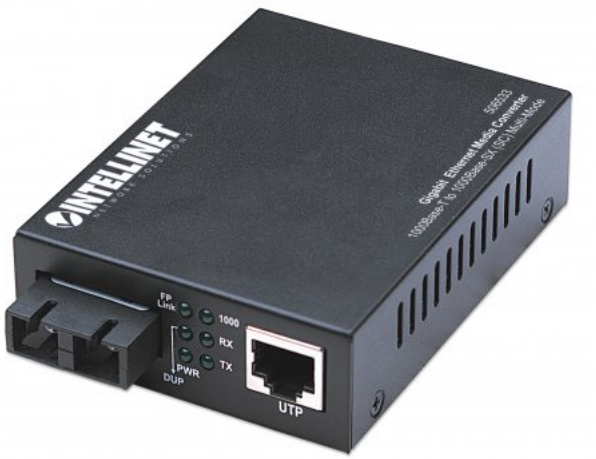

Gigabit Ethernet Media Converter

1000Base-T to 1000Base-SX (SC) Multi-Mode, Wavelength 850 nm, 550 m (1800 ft.)

Part No.: 506533

EAN-13: 0766623506533 | UPC: 766623506533

The Intellinet Network Solutions Gigabit Ethernet Media Converter was specifically designed to offer the network designer a device for migration from copper-based Ethernet to Fiber Ethernet. Now migration or expansion of existing networks can be achieved with minimum cost and complexity. The 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
- One 1000Base-T RJ45 port, maximum distance 100 m / 300 ft. (Cat5e and better)
- RJ45 port with Auto MDI/MDI-X support and auto-negotiation
- One 1000Base-SX multi-mode Fiber SC duplex port
- Fiber distance support: up to 220 m / 720 ft (62.5/125 µm cable) or 550 m / 1800 ft (50/125 µm cable)
- Wavelength: 850 nm
- Flow control
- Status LEDs for power and Link/TX for both ports
- Supports jumbo frames up to 9 kBytes
- External power adapter, 5 V DC
- 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 802.3ab (Twisted Pair Gigabit Ethernet)
• IEEE 802.3z (Fiber Optic Gigabit Ethernet)

General
• Media support:
  - 1000Base-T Cat5e or higher UTP/STP RJ45
  - 1000Base-SX multi-mode 50/125 µm, 62.5/125 µm & 100/140 µm fiber
• Connectors:
  - One RJ45 port, 1000Base-T
  - One Fiber SC duplex port, 1000Base-SX
• Distances:
  - 220 m / 720 ft (62.5/125 µm Fiber cable)
  - 550 m / 1800 ft (50/125 µm Fiber cable)
  - 100 m (RJ45 cable)
• Wavelength: 850 nm
• Min. TX power: -17 dBm
• Max. TX power: -12 dBm
• RX sensitivity: -20 dBm
• Certifications: FCC Class B, CE

LEDs
- Power
- LINK/ACT for RJ45 port
- LINK/ACT for Fiber SC port
- 1000 Mbps link speed indicator for RJ45 port
- Optical signal input LED
- Full-/half duplex

Power
- External power adapter, 5 VDC, 1 A
- Power consumption: 2.5 watts (maximum)

Environmental
- Metal housing
- Dimensions: 107 (L) x 70 (W) x 26 (H) mm (4.2 x 2.8 x 1.0 in.)
- Weight: 500 g (1.1 lbs.)
- Operating temperature: 0 – 60°C (32 – 140°F)
- Operating humidity: 10 – 90% RH, non-condensing
- Storage temperature: -45 – 80°C (-49 – 176°F)

Package Contents
- Gigabit Ethernet Media Converter
- External power adapter
- User manual