Single Mode to Multimode Converter
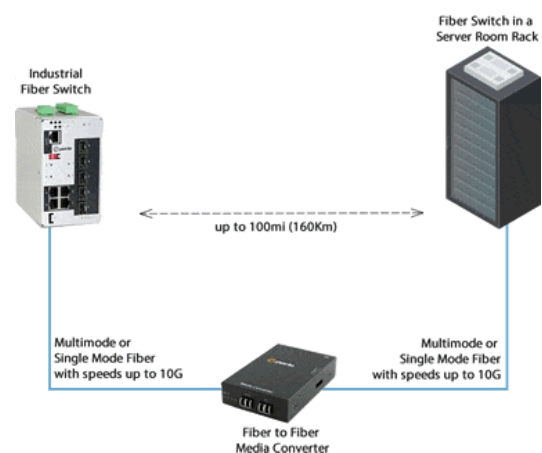
perle.com/products/fiber-to-fiber-media-converter.shtml

Fiber to Fiber Media Converters

To convert **Single Mode to Multimode, or extend a Multimode network**, Fiber to Fiber Media Converters are the devices to use. They are the ideal solution to connect different fiber types, distances and wavelengths (WDM, CWDM & DWDM) across a variety of topologies and network architectures for longer data transmission distances. There are **two types** of Fiber Converter to choose from:

SFP to SFP Fiber Mode Converter: To simply interconnect two fiber connections back to back, an SFP to SFP Fiber Mode Converter is generally used. The advantage of this type of solution is that it is protocol independent [supports all protocols including Ethernet, Fibre Channel, ATM/SONET OC-X, SDH STM-X, FDDI, Video, etc…] to address multiple applications.

Ethernet Fiber Mode Converter: In an environment where Ethernet is exclusively used, choosing a Media Converter designed specifically for Ethernet fiber applications is recommended. These Fiber Converters have Ethernet transceivers that regenerate the signal received before passing it along to the other fiber transceiver port. **3R (re-amplify, reshape, and retime) signal regeneration** ensures a strong signal across each fiber link to ensure link and data transmission integrity.

Single Mode to Multimode Fiber Converters by Perle

- **Convert Single Mode to Multimode (SM to MM)**
- **Extend Multimode an additional 2km**
- Supports **Dual Fiber and Single Fiber** connections and data transmission
- Options for operation in **Unmanaged or Secure Managed** Networks
- Advanced features & functionality for efficient troubleshooting & less on-site maintenance
- 0C to +50C (32° F to 122° F) operating temperatures
- Choose from over **165 models** to meet any fiber integration project needs

SFP to SFP Fiber Mode Converter

- Protocol & Rate Transparent
- Interconnect two fiber connections back to back
- Two empty slots for SFP transceivers with speeds up to 4.25Gbps
- Optional -40C to 75C (-40° F to 167° F) operating temperature

10/100/1000/2500/10G Ethernet

- Extend 10G Ethernet Fiber
- Conduct 1G to 10G Rate Conversion
- 3R Signal regeneration
- Two empty SFP / SFP+ slots

Gigabit Ethernet

- Extend 1000Mbps Ethernet Fiber
- 3R Signal regeneration
- Dual fiber ST/SC/LC Connectors
- Single fiber SC Connectors

Fast Ethernet

- Extend 100Mbps Ethernet Fiber
- 3R Signal regeneration
- Dual fiber ST/SC/LC Connectors
- Single fiber SC/ST Connectors

Why Choose a Perle Fiber Mode Converter?

Robust Media Converter

Perle only uses **high-end components** from leading chip manufacturers to ensure product reliability. Perle's advanced implementation of Link Pass-Through includes an onboard processor that continuously monitors the status of the links and sends a notification if the fiber connection is broken or disconnected.

Cisco Compatible Media Converter

Perle Media Converters are compatible with Cisco switches and routers. As a key component in the reliability and stability of your network, you need dependable Media Converters with seamless interoperability.

CISCO

Reliable Media Converter

Most Media Converter manufacturers do not publish (or make very difficult to find) their MTBF's. Perle is proud to publish the **high MTBF rates** on the Hardware Specs for each product. In addition, we provide the best-in-class **Lifetime Warranty**.

Secure Media Converter

Perle Managed Media Converters support all **AAA security services** (TACACS+, RADIUS, LDAP, Kerberos, NIS and RSA) used in corporate networks, as well as, SSH/SSL, SNMPv3, Telnet and HTTPS **secure management sessions**. And, PerleVIEW Central Management Software simplifies the configuration, administration, monitoring and troubleshooting

Technical Support

We have sales and technical support staff around the globe to support you. If you need help choosing the best Media Converter for your application, we provide technical consultations by phone or email. And, even though Perle Fiber Converters are extremely easy to install and configure, post sales support is easy to contact.

Trust

Perle has been providing reliable device connectivity solutions **since 1976. That's over 40 years** of experience that businesses around the globe have come to trust to deliver superior connectivity technology for mission critical applications.

The quality of Single Mode to Multimode Converter that you choose will affect the uptime of your network. Choose quality products. Choose Perle.