



# 10 GigaBit Media Converter

Net Optics 10 GigaBit Converters are optimized, high-performance media converters for connecting dissimilar 10 GigaBit devices and links. Deploy these bidirectional media converters individually to connect SR or LR fiber devices, or in pairs at each end of long-distance fiber links. These Converters are the perfect solution for dispersed networks where media conversion is required between multimode segments separated by long distances.

The 10 GigaBit Converters support seamless media conversion at 10 Gbps over link distances up to 65 meters with SR fiber or 10 kilometers with LR fiber. To control jitter over long optical links, the Converter features Clock and Data Recovery (CDR). These Converters feature XFP module connectors for quick reconfiguration and redeployment.

All network and monitoring cables necessary for plug-and-play deployment are included with the Tap. For extra uptime protection, Net Optics Converters offer redundant power connections. Should the primary power source fail, the Converter automatically switches to the backup power source.

## Secure Technology

- Optimized and tested for 10 GigaBit fiber networks
- Provides transparent conversion at 10 Gbps without data stream interference or introducing a point of failure
- Clock and Data Recovery (CDR) control overall jitter when deploying converter pairs
- Redundant power ensures monitoring uptime
- Compatible with all 10 GigaBit LR singlemode fibers and SR multimode fiber

## Ease of Use

- LED indicators show link status and redundant power
- XFP connectors support easy reconfiguration and redeployment
- Optional 19-inch rack frame holds three Converters
- Optional Conversion kits include transceiver and cable
- Tested and compatible with all major manufacturers' monitoring devices, including protocol analyzers, probes, and intrusion detection/prevention systems



## Technical Specifications:

### Operating Specifications:

Operating Temperature: 0°C to 40°C

Storage Temperature: -10°C to 70°C

Relative Humidity: 5% min, 95% max, non-condensing

### Mechanical Specifications:

#### Power Supply:

Input: 100-240 VAC, 50-60 Hz, 0.6A, Output: 12VDC, 1.5A

Dimensions: 1.25" high x 5.25" deep x 4.5" wide

### Optical Specifications:

#### 10GBase-SR XFP:

Fiber Type: Corning Multimode 50µm or 62.5µm, wavelength 850nm

Input Sensitivity: -11.1 dBm

Output Power: -7.3 dBm min to -1 dBm max

#### 10GBase-LR XFP:

Fiber Type: Corning Singlemode 8.5µm, wavelength 1310nm

Input Sensitivity: -12.6 dBm

Output Power: -0.5 dBm max

### Connectors:

XFP: 10GBase-SR, -LR

### Certifications:

Fully RoHS compliant

Fully IEEE 802.3ae compliant

Part Number	Description
FMC-XFP	10 GigaBit Converter with XFPs
XFPKT-50SR	SR XFP Conversion Kit 50µm
XFPKT-SR	SR XFP Conversion Kit
XFPKT-LR	LR XFP Conversion Kit
RK-3V2	Three-slot panel for rack mounting
RK-12V2	Twelve-slot panel for rack mounting

All products include a 1 year manufacturer's warranty. An additional 1 or 2 year extended warranty may also be purchased. XFP kits are ordered separately (minimum order Qty. 2 per unit).