

# XFP Transceiver Kit

For greater flexibility, many Net Optics products use industry-standard 10 Gigabit Small Form Factor Pluggable (XFP) transceiver modules. This functionality enables end users to tap into different network media and deploy different types of monitoring tools depending on the application. Net Optics offers a range of products that utilize XFPs including Port Aggregators, Link Aggregators, Bypass Switches, and the Director™ data monitoring switch.

## Link Lengths

Net Optics XFP modules support the following maximum lengths for network links.

XFP Type	Fiber Grade	Maximum Link Length
SR	OM3	300 meters
SR	OM2	82 meters
SR	OM1	33 meters
LR		10 kilometers guaranteed, 25 kilometers typical
ER		40 kilometers

## Passive, Secure Technology

- All needed cables included
- RoHS Compliant
- Designed for industry-standard, MSA-compliant 10 Gigabit Small Form Factor Pluggable (XFP) Ports
- Compatible with IEEE 802.3ae
- Hot-pluggable
- Low power, high performance
- Single +3.3 V power supply operation



## Technical Specifications:

### Operating:

**Operating Temperature:** 0°C to 40°C

**Storage Temperature:** -10°C to 70°C

**Relative Humidity:** 10% min, 95% max, non-condensing

### Fiber Optic Interface:

**Connector:** Class 1, eye-safe, laser emitter type. These Class 1 Lasers conform to the applicable requirements per US 21 CFR (J) and EN 60825-1, also UL 1950 applications.

#### Multimode, SR:

**Optical Transmitter Wave Length:** 850nm nominal

**Output Power:** -7.3dBm min, -1dBm max

**Optical Receiver Input Sensitivity:** -11.1 dB max

#### Singlemode, LR:

**Optical Transmitter Wave Length:** 1310nm nominal

**Output Power:** -0.5dBm max

**Optical Receiver Input Sensitivity:** -12.6 dB max

#### Singlemode, ER:

**Optical Transmitter Wave Length:** 1310nm nominal

**Output Power:** -1dBm min, +2dBm max

**Optical Receiver Input Sensitivity:** -16 dB max

### Fiber Cable Interface:

**Wavelength:** 850nm, 1310nm, or 1550nm

**Fiber Type:** Corning Multimode 50 or 62.5/125µm  
Corning Singlemode 8.5/125µm

### Certifications:

Fully RoHS compliant

Part Number	Description
XFPKT-SR	Multimode Fiber SFP 62.5µm w/ cable
XFPKT-50SR	Multimode Fiber SFP 50µm w/ cable
XFPKT-LR	Singlemode Fiber SFP 1310nm w/ cable
XFPKT-ER	Singlemode Fiber SFP 1550nm w/ cable

All products include a 1 year manufacturer's warranty.