

SFP Transceiver Kit

For greater flexibility, many Net Optics products use industry-standard 1 Gigabit Small Form Factor Pluggable (SFP) 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 SFPs including Port Aggregators, Link Aggregators, Bypass Switches, and the Director™ data monitoring switch.

Link Lengths

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

SFP Type	Fiber Grade	Maximum Link Length
CU3	Copper media	100 meters
SX	OM3	860 meters
SX	OM2	550 meters
SX	OM1	220 meters
LX		2 kilometers guaranteed, 10 to 20 kilometers typical
ZX		70 kilometers

Passive, Secure Technology

- All needed cables included
- RoHS Compliant
- Designed with industry-standard MSA-compliant Small Form Factor Pluggable (SFP) ports
- Compatible with IEEE 802.3z
- Hot-pluggable
- Low power, high performance
- Single +3.3 V power supply operation
- Auto-negotiation (copper model)
- Custom RJ-45 connector with integrated magnetics (copper model)

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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, SX:

Optical Transmitter Wave Length: 850nm nominal

Output Power: -9.5dBm min, -3dBm max

Optical Receiver Input Sensitivity: -17 dB max

Singlemode, LX:

Optical Transmitter Wave Length: 1310nm nominal

Output Power: -9.5dBm min, -3dBm max

Optical Receiver Input Sensitivity: -19 dB max

Singlemode, ZX:

Optical Transmitter Wave Length: 1550nm nominal

Output Power: -2dBm min, +4dBm max

Optical Receiver Input Sensitivity: -26 dB max

Fiber Cable Interface:

Wavelength: 850nm, 1310nm, or 1550nm

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

Copper Cable Interface:

22-24 AWG unshielded twisted pair cable, CAT5/CAT5E

Certifications:

Fully RoHS compliant

Part Number	Description
SFPKT-SX	Multimode Fiber SFP 62.5µm w/ cable
SFPKT-50SX	Multimode Fiber SFP 50µm w/ cable
SFPKT-LX	Singlemode Fiber SFP 1310nm w/ cable
SFPKT-ZX	Singlemode Fiber SFP 1550nm w/ cable
SFPKT-CU3	10/100/1000 Copper SFP w/ cable

All products include a 1 year manufacturer's warranty.