

SETTING NEW STANDARDS IN

- ✓ PERFORMANCE
- ✓ COMPATIBILITY
- ✓ RELIABILITY
- ✓ VALUE

Optical transceivers and direct attach cables are an integral part of today's local (LAN), storage (SAN), campus (CAN) and metro (MAN) area networks. Kinvergent optical transceivers deliver performance, reliability, compatibility and value. Rely on Kinvergent to support your current network while strategically positioning you for an easier migration to tomorrow's emerging technologies.



Performance

- ✓ Engineered to meet/exceed OEM specifications
- ✓ Lasers manufactured and PCB components assembled in the same ISO9001 certified factory for predictable consistency and the tightest quality control



Reliability

- ✓ Individually tested over full operating temperature range
- ✓ Rugged case with proper heat sinking ensures solid, consistent seating and lower operating temps
- ✓ All Kinvergent 1Gig and 10Gig optics made to the Extended (EXT) Temperature standard



Compatibility

- ✓ EEPROMs individually coded to be recognized and function identical to the OEM, including DOM (Digital Optical Monitoring) support
- ✓ 100% application tested
- ✓ MSA Compliant
- ✓ Custom Non-OEM Solutions



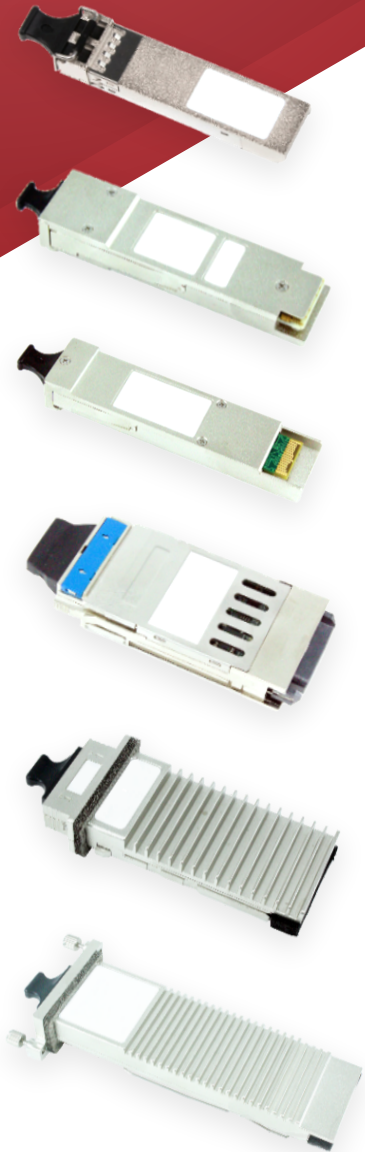
Value

- ✓ 70%-90% off OEM MSRP
- ✓ Free 30 day evaluation
- ✓ Lifetime Advance Replacement Warranty
- ✓ Investment Protection...a Kinvergent exclusive. (See FAQs for more details)

Now with industry color coding for easy identification (no more squinting)



OVER 50 SUPPORTED MANUFACTURERS



Shown at left (from top): SFP+, QSFP, XFP, GBIC, X2, XENPAK

FAQS

What is the warranty?

Lifetime Warranty. In the rare instance a Kinvergent compatible optic may fail, it will be advanced replaced free of charge, for as long as you own it.

Will using Kinvergent compatible optics void my manufacturer's warranty?

No, the use of non-OEM products/accessories is protected under the FTC's Magnuson-Moss Act/Tie-in Sales Provisions. Basically, OEMs like Cisco cannot void your warranty...so don't let them tell you otherwise!

What are the different operating temperature ranges available for Kinvergent optics?

Optics are typically available in 3 different operating temperature ranges:

1. Commercial (COM): 0 to 70 Degrees C (standard for OEM 10Gig optics)
2. Extended (EXT): 0 to 85 Degrees C (standard for all Kinvergent 10Gig optics)
3. Industrial (IND): -10 to 85 Degrees C

Why doesn't Kinvergent charge more for extended (EXT) temperature 10Gig optics like the OEMs?

Simple. It's about your peace of mind and not our bottom line. We understand today's high density data centers and remote networking closets aren't always optimally cooled, which only emphasizes the need for a more rugged optic to carry your most critical data.

What is Kinvergent Investment Protection?

Should you ever change hardware manufacturers, we will recode your Kinvergent optics to work with your new manufacturer's hardware, saving you from having to repurchase optics. (Nominal charges apply. Available for most optics.)

Form Factor	Speed	Fiber Type	Operating Distance	Connector
GBIC	1000Base-x 8Gbps FC	Multimode Singlemode	300Meters to 80km	SC
SFP	100Base-FX 1000Base-x 1, 2, 4Gbps FC 100/1000Base-T	Multimode Singlemode Cat5e (Copper)	300Meters to 120km	LC RJ45 (100Meters)
SFP+	10GBase-x 8Gbps FC	Multimode Singlemode	26Meters to 120km	LC
SFP+ Copper	10GBase-T	Cat6a or Cat7	Up to 30Meters	RJ45
XFP	10GBase-x	Multimode Singlemode	300Meters to 120km	LC
XENPAK	10GBase-x	Multimode Singlemode	300Meters to 120km	SC
X2	10GBase-x	Multimode Singlemode	300Meters to 120km	SC
SFP28	25GBase-x 8Gbps FC	Multimode Singlemode	70Meters to 10km	LC
QSFP	40GBase-x	Multimode Singlemode	30Meters to 10km	MPO/MTP LC
CFP	100GBase-x	Multimode Singlemode	100Meters to 10km	MPO/MTP LC
QSFP28	100GBase-x	Multimode Singlemode	100Meters to 10km	MPO/MTP LC
Direct Attach	10GBase 25GBase 40GBase 100GBase	Passive or Active - Twinax or Optical	1 Meter to 15Meters	SFP+ QSFP