



Small Form Factor Pluggable Transceivers (SFP)

These state-of-the-art products are used for a wide range of data-rates and distances (550m to 120Km). Starting at the low end with 155Mb transmission, they go up to 4.25Gb with multirate function. To comply with rising need for denser networks, Source Photonics offers CWDM and DWDM versions. For ULR applications even up to 120Km including electronic dispersion compensation (EDC). There are industrial temperature range and digital monitoring function available on request. There are also versions for bi-directional use in one fiber, using 1310 and 1550nm with an integrated filter.

Features:

- 18ch CWDM
- 47ch DWDM
- industrial temperature available
- up to 4.25Gb
- digital diagnostics

Applications:

- SDH, SONET
- Ethernet

SFP for RJ45

In the LAN world there is flexibility needed. This is why the package of transceivers was turned into pluggable versions which may be easily exchanged depending on which data rate or distance is needed.

In order to be also flexible in media, Source Photonics developed the FTM-CO12R-Lx series which is a hot pluggable SFP transceiver for twisted pair (CAT5) applications.

The FTM-CO12R-Lx series copper SFP is a high performance, cost effective module compliant with the Gigabit Ethernet standards as specified in IEEE. It supports up to 1000Mbps full duplex datalinks over 100m unshielded CAT5 cable.

The version FTM-CO12R-L offers an intelligent auto-negotiation for 10/100/1000BASE-T operation in host systems with SGMII interface. If there is a host system with SERDES interface, the required version is FTM-CO12R-LS.

Features:

- 100m transmission over CAT5
- up to 1Gb
- excellent ESD protection

Applications:

- LAN 1000Base-T
- switch to switch interface
- router/server interface