

Key Highlights:

- Type: XFP
- Compatibility: Multi-Vendor MSA Compatible
- Tx/Rx Wavelength: 1550 nm / 1550 nm
- Media Type: Single-Mode Fiber (SMF)
- Optical Budget: 24 dB
- Max. Distance: 80 km
- Data Rate: 1.24-11.32Gbps
- Temperature: Industrial -40° to +85°C



Optical Transceiver : 10G-XFP-80I

Product Description:

10G-XFP-80I is Multi-Vendor MSA Compatible XFP (10 Gigabit Small Form Factor Pluggable Module) Transceiver, operating over Double Fiber Single-Mode Fiber (SMF) optical cable. It has minimum guaranteed optical budget of 23 dB, with in most cases is enough to reach about 80 km distance. However, distance is just indicative parameter calculated for comfort of identification. Eventually we calculate distance taking in account minimal optical budget and average attenuation of optical cabling in industry. This transceiver use top quality EML Laser transmitter with operating at nominal wavelength 1550 nm and 1550 nm APD Photodiode receiver. It support DDM/DOM optical diagnostics, with provide diagnostic information about the present operating conditions. 10G-XFP-80 operates in Industrial -40° to +85°C temperature range and has Double LC interface. XFP support 1.24-11.32Gbps data rate and such applications as 10G Ethernet (10.31Gbps)|Gigabit Ethernet (1.25 Gbps)|10G Fiber Channel (10.52 Gbps), 8G Fiber Channel (8.5 Gbps), 4G Fiber Channel (4.25 Gbps), 2G Fiber Channel (2.125 Gbps), 1G Fiber Channel (1.0625 Gbps), STM-16 (2.488 Gbps), STM-64 (9.95Gbps), ODU0 (1.244Gbps), ODU1 (2.498Gbps), ODU2 (10.037Gbps), ODU2e (10.399Gbps), OTU1 (2.66Gbps), OTU2 (10.70Gbps), OTU1f (11.27Gbps), OTU2f (11.32Gbps), OTU1e (11.049Gbps) and



OTU2e (11.095Gps). 10G-XFP-80I XFP Double Fiber optical transceiver is multi-purpose module used in number of different places of today's networking. Consequently, most popular applications are Internet Service Provider (ISP) Fiber To The Home aggregation and backbone, Various Data Communication 10G Ethernet & SDH/SONET/OTN Links, Data Center networking for both – Ethernet and Fiber Channel SAN Networking and other optical links.

Transceiver is CE/RoHS certified and it is Compliant with product safety standards. 10G-XFP-80I XFP Transceiver is fully compliant to XFP mutli-source agreement (MSA) INF-8077i (Rev. 4.5, 2005). Consequently, it means that module is compatible with 80% of networking equipment, where is not implemented a special algorithm for protection against third party modules. However – we can provide XFP transceiver with custom-encoded firmware in order to make it work almost in any equipment. Therefore, we will be glad to know what your requirement is. Because our focus is providing top quality service, we are performing serious quality checks before delivery of our products. As a result, we do optical parameter measurements, connector cleanness tests and XFP transceiver EEPROM memory data validation tests – Contact us.

Product Specification:

General parameter	Value
Media Type:	Single-Mode Fiber (SMF)
Connectors:	Double LC
TX Wavelength:	1550 nm
RX Wavelength:	1550 nm
Minimum Optical Budget:	24 dB
Maximum Distance:	80 km
Supported Data Rate:	1.24-11.32Gbps
Supported Applications:	CE, Class 1 FDA and IEC60825-1 Laser Safety Compliant, INF-8077i XFP MSA Rev.4.5, RoHS
Temperature Range:	Industrial -40° to 85°C
DDM/DOM:	Supported
Tx Wavelength Bandwidth:	37 nm (1528-1565 nm)
Rx Wavelength Bandwidth:	37 nm (1528-1565 nm)
Transmitting Power (Min/Max):	0/4 dB
Receiver Sensitivity:	-23 dB
Receiver Overload:	-7 dB



General parameter	Value
Dispersion:	1600 ps/nm
Laser:	EML Laser
Receiver Type:	APD Photodiode
Chip:	SAMTECH/ MAXIM/ MINDSPEED
Power:	3.3V single power supply
Compliance:	CE, Class 1 FDA and IEC60825-1 Laser Safety Compliant, INF-8077i XFP MSA Rev.4.5, RoHS

Compatibility:

EDGE Optical transceivers can be provided with custom-encoded firmware, in order to provide compatibility with more than 100 vendor brands in data and telecom communications industry:

MS - General MSA
AD - ADVA
AE - Advantech
AL - Alcatel (Nokia)
AT - Allied Telesis
AR - Arista
AS - Arris
AV - Avaya
BC - Barracuda
BR - Broadcom
QL - Cavium (Qlogic)
CR - Ceragon
CP - Checkpoint
CH - Chelsio
CN - Ciena
CI - Cisco
LI - Cisco (Linksys)
CE - Comnet
CO - Coriant
DH - Dahua
DC - DCN
DL - Dell & Force10
DK - D-Link

DZ - DZS(Dasan-Zhone)
EI - ECI
EC - EdgeCore
EW - EdgeWare
EL - Eltex
EM - EMC2
EN - Enterasys
ER - Ericsson
EF - EXFO
EX - Extreme Networks
F5 - F5 Networks
FI - Finisar
FO - Fortinet
FU - Fujitsu
H3 - H3C
HI - Hirschmann
HU - Huawei
IB - IBM
IF - Infinera
IN - Intel
IX - Ixia
JU - Juniper Networks
KM - KeyMile

KY - KyLand
LN - Lenovo
ML - Mellanox
ME - Meraki (Cisco)
MT - MikroTik
MO - Moxa
MR - MRV
NC - NEC
NG - Netgear
NK - Nokia
NT - Nortel
NS - NSN
OR - Oracle
PA - Palo Alto Network
PL - Planet
QC - QCT(Quanta)
QN - QNAP
RD - RAD
RW - RadWare
RC - Raisecom
RK - Ruckus
RU - Ruijie Networks
SG - Samsung

SV - Sandvine
SC - Silicom
SF - SolarFlare
SW - Sonicwall
SM - Supermicro
SY - Synology
TC - Telco Systems
TP - TP-LINK
TN - Trendnet
UN - Ubiquiti Networks
VX - VeEx
WG - WatchGuard
WS - Waystream
WT - Westermo
ZT - ZTE
ZX - Zyxel
HP - HP
AG - Avago
OC - Oclaro
EU - Emulex
TM - Transmode
AU - HP Aruba
XX - Other



Warranty:

EDGE Optic's provides a limited **warranty for sixty (60) months** from Purchaser's receipt of the Equipment represented in this data sheet against defective design or workmanship. Warranty does not cover damage caused by improper deployment, misuse and accidents.

