

Key Highlights:

- Type: CFP2
- Compatibility: Multi-Vendor MSA Compatible
- Tx/Rx Wavelength: 850 nm. / 850 nm.
- Media Type: 10 Parallel Lanes of Multi-Mode Fiber (MMF.)
- Optical Budget: 1.9 dB
- Max. Distance: 100 m
- Data Rate: 103.1 to 112 Gbps
- Temperature: Standard 0°-70°C



Adapter Module: 100G-CFP2-100

Product Description:

100G-CFP2-100 is Multi-Vendor MSA Compatible CFP2 (C (*centum*) Form Factor Pluggable 2) Transceiver, operating over 10 Parallel Lanes of Double Fiber Multi-Mode Fiber (MMF) optical cable. It has minimum guaranteed optical budget of 1.9 dB, with in most cases is enough to reach about 100m 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 10 x VCSEL Laser transmitters with operating at nominal wavelength 850 nm and 10 x 850 nm PIN Photodiode receivers. It support DDM/DOM optical diagnostics, with provide diagnostic information about the present operating conditions. 100G-CFP2-100 operates in Standard 0°-70°C temperature range and has MPO 24 connector. CFP2 support 103.1 - 112 Gbps data rate and such applications as 100G Ethernet (103.1 Gbps) and OTU4 (112Gbps). 100G-CFP2-100 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, Mobile operator core and back-haul 100G applications, Data Center networking site interconnections and other optical links.

Transceiver is CE/RoHS certified and it is Compliant with product safety standards. 100G-CFP2-100 CFP2 Transceiver is fully compliant to CFP2 Multi Source Agreement version 1.0. 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 CFP2 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 cleanliness tests and CFP2 transceiver EEPROM memory data validation tests.



Product Specification:

Parameter	Value
Media Type:	10 Lanes of MMF
TX Wavelength:	850 nm.
RX Wavelength:	850 nm.
Minimum Optical Budget:	1.9 dB
Maximum Distance:	100 m (OM3) / 150 m (OM4)
Supported Data Rate:	103.1 - 112 Gbps
Supported Applications:	100G Eth (103.1Gbps), OTU4 (112Gbps)
DDM/DOM:	Supported
Temperature Range:	Standard 0°-70°C
Connectors:	MTP/MPO
Tx Wavelength Bandwidth:	20 nm (840-860 nm)
Rx Wavelength Bandwidth:	20 nm (840-860 nm)
Minimum Transmitting Power:	Each Lane -8 dBm
Maximum Transmitting Power:	Each Lane 1 dBm
Receiver Sensitivity:	Each Lane -9.9 dBm
Receiver Overload:	Each Lane 1 dBm
Transmitter Type:	10 x VSCEL Laser
Receiver Type:	10 x PIN photodiode
Power:	+3.3V single power supply
Compliance:	CFP2 MSA, IEEE 802.3ba, 100GBASE-SR10, CE, Class 1 FDA and IEC60825-1 Laser Safety Compliant, RoHS,



Compatibility:

EDGE Optical transceivers can be provided with custom-encoded firmware, in order to provide compatibility with more than 50 vendor brands in data and telecom communications industry:

MS - General MSA
AD - ADVA
AL - Alcatel-Lucent
AR - Arista
AV - Avaya
BR - Brocade
CN - Ciena
CI - Cisco
DL - Dell & Force10
DK - D-Link
EM - EMC2
ET - Enterasys

ER - Ericsson
EX - Extreme Networks
F5 - F5 Networks
FO - Fortinet
FU - Fujitsu
H3 - H3C
HI - Hirschmann
HP* - HP Networking
HS* - HP Storage
HU - Huawei
IB - IBM
IF - Infinera

IN - Intel
JU - Juniper Networks
LI - Linksys
ML - Mellanox
ME - Meraki (Cisco)
MT - MikroTik
MO - Moxa
MR - MRV
NG - Netgear
NS - NSN
PA - Palo Alto Network
QL - Qlogic

RD - RAD
RU - Ruijie Networks
SM - Supermicro
SY - Synology
TC - Telco Systems
TP - TP-LINK
TN - Trendnet
WG - WatchGuard
ZT - ZTE
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.

