

Key Highlights:

- **Type:** SFP
- **Tx Wavelength:** Ch. 27 - Ch. 61 (1270nm - 1610nm)
- **Rx Wavelength:** G.694.2 CWDM Grid (1270-1610nm)
- **Media Type:** Single- Mode Fiber
- **Fiber Type:** Single-Mode Fiber (SMF)
- **Optical Budget:** 13 dB
- **Max. Distance:** 40km
- **Data Rate:** 9.95-11.32Gbps
- **Temperature:** Standard 0°-70°C



Optical Transceiver : CWDM-10G-SFP-40-XX

Product Description:

CWDM-10G-SFP-40-XX is multi-vendor compatible SFP Transceiver module, operating over double fiber single-mode optical cable with maximum distance 40km. CWDM-10G-SFP-40-XX uses Ch. 27 - Ch. 61 (1270nm - 1610nm) transmitting DFB laser and PIN receiver supporting all ITU-T G.694.2 grid 1270-1610nm and supports 9.95-11.32Gbps data rates. CWDM-10G-SFP-40-XX SFP+ Transceiver is fully compliant to SFP Multi Source Agreement SFF8431 and it can be provided with custom-encoded firmware, in order to provide compatibility of most equipment vendors platforms in data communications industry.



Product Specification:

General parameter	Value
Media Type:	Single-Mode Fiber (SMF)
Connectors:	Double LC
TX Wavelength:	Ch. 27 - Ch. 61 (1270nm - 1610nm)
RX Wavelength:	G.694.2 CWDM Grid (1270nm - 1610nm)
Minimum Optical Budget:	13 dB
Maximum Distance:	40 km
Supported Data Rate:	9.95-11.32Gbps
Supported Applications:	10G Eth (10.31Gbps); STM-64 (9.95Gbps); OTU2 (10.70Gbps); OTU1e (11.049Gbps); OTU2e (11.095Gbps); OTU1f (11.27Gbps); OTU2f (11.32Gbps); ODU2 (10.037Gbps); ODU2e (10.399Gbps)
DDM/DOM:	Supported
Temperature Range:	Standard 0°-70°C
Power Supply Voltage Typical:	+3.3V single power supply
Compliance:	SFP MSA, SFF-8472, RoHS, CE, Class 1 FDA and IEC60825-1 Laser Safety Compliant



Product Specification:

Transmitter Parameters:	Value
Transmitter Type:	EML Laser
Tx Wavelength Bandwidth:	20 nm (1270nm - 1610nm)
Minimum Transmitting Power:	-3 dB
Maximum Transmitting Power:	3 dB

Receiver Parameters:	Value
Receiver Type:	PIN
Rx Wavelength Bandwidth:	G.694.2 grid: 1270nm - 1610nm
Receiver Sensitivity:	-16 dB
Receiver Overload:	0.5 dB



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.

Ordering Information:

Part Number	Data Rate	Applications	Temperature Range	Available DWDM Channels
CWDM-10G-SFP-40-XX*	9.95-11.32Gbps	Up to 40 km	0° - 70°C	27 to 61 ITU-T 100Ghz C-Band 1563.86nm to 1528.77nm

*XX represents the chosen channel, thus Ch.27 would be CWDM-10G-SFP-40-27 (1270nm)

