

## 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:** 9 dB
- **Max. Distance:** 80km
- **Data Rate:** 1.24-11.3Gbps
- **Temperature:** Standard 0°-70°C



## Optical Transceiver : CWDM-10G-XFP-80-XX

### Product Description:

CWDM-10G-XFP-80-XX is multi-vendor compatible XFP Transceiver module, operating over double fiber single-mode optical cable with maximum distance 10km. CWDM-10G-XFP-80-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 1.24-11.3Gbps data rates. CWDM-10G-XFP-80-XX Transceiver is fully compliant to XFP Multi Source Agreement INF8077i 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:	23 dB
Maximum Distance:	80 km
Supported Data Rate:	1.24-11.3Gbps
Supported Applications:	10G Eth (10.31Gbps); 1G Eth (1.25Gbps); STM-64 (9.95Gbps); STM-16 (2.488 Gbps); OTU1 (2.66Gbps); OTU2 (10.70Gbps); OTU1e (11.049Gbps); OTU2e (11.095Gbps); OTU1f (11.27Gbps); OTU2f (11.32Gbps); ODU0 (1.244Gbps); ODU1 (2.498Gbps); ODU2 (10.037Gbps); ODU2e (10.399Gbps); 10G FC (10.52 Gbps); 8.5G FC (8.5 Gbps); 4G FC (4.25 Gbps); 2G FC (2.125 Gbps); 1G FC (1.0625 Gbps)
DDM/DOM:	Supported
Temperature Range:	Standard 0°-70°C
Power Supply Voltage Typical:	+3.3V single power supply
Compliance:	XFP MSA, 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:	0 dB
Maximum Transmitting Power:	4 dB

Receiver Parameters:	Value
Receiver Type:	PIN
Rx Wavelength Bandwidth:	G.694.2 grid: 1270nm - 1610nm
Receiver Sensitivity:	-23 dB
Receiver Overload:	-10 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-XFP-80-XX*	1.24-11.3Gbps	Up to 80 km	0° - 70°C	<b>27 to 61</b> ITU-T 100Ghz C-Band 1563.86nm to 1528.77nm

\*XX represents the chosen channel, thus Ch.27 would be CWDM-10G-XFP-80-27(1270nm)

