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100G CFP DWDM Transceiver

The 100G CFP-DCO coherent optical transceiver launched by NewNets adopts standard CFP package and advanced modulation mode based on DP-D/QPSK. It supports C-band full band adjustable (50/100GHz interval) and is compatible with 100GE interface and OTU-4 interface. It aims to support single wavelength DWDM transmission of 100Gbps and above and is suitable for various applications from data center interconnection (DCI) to long-distance transmission.

Product Feature

- DP-DQPSK modulation mode
- C band 50GHz ITU-T transmit
- Built-in client side and line OTN processing
- Compatible to OTU4 and 100GE
- Compatible to OTL4.10 and CAUI
- Conform to CFP MSA standard
- Hot swappable electrical packaging interface
- Operating optical data rates up to 128 Gbps
- Low latency H-FEC/SD-FEC

Product Diagram

- Metropolitan DCI interconnection
- DWDM long-distance transmission

Product Specification

Item	CFP-DCO ZR	CFP-DCO MR	CFP-DCO LH
Rate	100GE/OTU4	100GE/OTU4	100GE/OTU4
Application	P2P DWDM ZR	Metro DWDM	Long-Haul DWDM
Dispersion-free compensation tolerance	120km	600km	1200km
10G/40G hybrid transmission	√	√	√
Low latency SD-FEC	√	√	√
Support C-band 96-wave (50GHz) tunable	√	√	√
CAUI for 100GE host Interface	√	√	√
OTL4.10 for OTU4 host interface	√	√	√
Built-in OTN processing	√	√	√
Interoperability with G.709 FEC	√	√	√
PRBS generation and detection of Line and Host Interface	√	√	√
Compliance with CFP MSA standard	√	√	√