200G / 100G CFP2-DCO Coherent
CL200GCFP2DCO

Features

- 100G CFP2-DCO coherent optical module operating up to 112.30 Gbps
- 200G CFP2-DCO coherent optical module operating up to 211.45 Gbps
- PM-QPSK (100G) and PM-16QAM (200G) modulation formats
- 100GE, OTU4, OTUC1 and OTUC2 services
- Electrical interfaces OTL4.4, OTLC1.4, CAU-I4, OTLC2.8 and CEI-28G-MR
- CFP2 MSA Hardware Specification 1.0 with modifications compliant
- CFP MSA Management Interface Specification 2.2 with modifications compliant
- Near-end / remote-end data loopback
- Hot-pluggable CFP2 form factor
- Maximum power consumption: 19 W

Application

The 100G / 200G CFP2-DCO coherent optical module is used on the host system for MAN DWDM applications.

Ordering Information

Part Number	Description
CL200GCFP2DCO	200G/100G, PM-16QAM/ PM-DQPSK/ PM-QPSK, Coherent CFP2

Performance Specifications

100G Optical Port

Table 1 100G Optical Port Performance Specifications

Parameter	Value
Network lane, modulation format	PM-QPSK
Optical channels	96
Grid spacing	50 GHz
Frequency range	191.3 to 196.05 THz
Wavelength stability	±1.5 GHz
Tx output power, default	0 dBm
Max. Tx output power	+5 dBm
Min. Tx output power	-10 dBm
Tx output power accuracy	±1.5 dBm
Output power during tuning	< -35 dBm
CD tolerance	±40000 ps/nm
DGD tolerance	33 ps
Input power range	0 to -18 dBm
OSNR tolerance（typical）	12 dB (Rx optical power: -8 to -10 dBm)
Power consumption	Typical: 16 W Maximum: 18 W

200G Optical Port

Table 2 200G Optical Port Performance Specifications

Parameter	Value
Network lane, modulation format	PM-16QAM
Optical channels	96
Grid spacing	50 GHz
Frequency range	191.3 to 196.05 THz
Wavelength stability	±1.5 GHz
Tx output power, default	0 dBm
Maximum output optical power	+5 dBm
Min. Tx output power	-10 dBm
Tx output power accuracy	±1.5 dBm
Output power during tuning	< -35 dBm
CD tolerance	±10000 ps/nm
DGD tolerance	22 ps
Input power range	0 to -18 dBm
OSNR tolerance（typical）	19.5 dB (Rx optical power: -8 to -10 dBm)
Power consumption	Typical: 17 W Maximum: 19 W