

Optical Module: 200G CFP2-DCO

The 200G CFP2-DCO coherent pluggable optical module launched by Sintai Communication Co., Ltd. is based on DP-16QAM design, and supports C-Band full-band tunable (50/100GHz interval). It supports single-wavelength DWDM transmission of 200Gbps and above, and is suitable for data center 100/200G Ethernet and OTN OTU4 metropolitan optical transport network links.

Features

- Three modulation modes: DP-16QAM
- Full C-band 50GHz ITU-T transmitter
- Built-in client side and line OTN processing
- OTU4 and 100GE compatible
- OTL4.4 and CAUI compatible
- Compliant with CFP2 MSA standard
- Hot-plug electrical package interface
- Low latency GFEC/SD-FEC
- Optimized DSP Algorithms
- Up to 1200km transmission distance
- Dual LC optical interface
- Power supply voltage: 3.3V
- Operating temperature: 0°C to +70°C
- Ultra-low power consumption: 21W
- RoHS-6 Compliant (Pb-Free)



Application Areas

- Metro DCI Interconnect
- DWDM long distance transmission

Parameter		Min.	Max.	Unit
Operating frequency range		191.25	196.1	THz
Transmit frequency stability		-1.8	1.8	GHz
Transmit optical power range		-15	1	dBm
Received optical power range		-18	0	dBm
OSNR sensitivity	200G 16QAM	20.5	22.5	dB/0.1nm
Dispersion tolerance	200G 16QAM		16000	ps/nm
Polarization mode dispersion tolerance	200G		15	ps
Cold start time		50	90	s
Transmit wavelength switching time			60	s