

400G Coherent CFP2-DCO

The 100G/200G/400G Dual fiber or BiDi CFP2-DCO coherent pluggable optical module from 3C-LINK is based on DP-QPSK or DP-16QAM design, supports adjustable frequency range of 192.15~194.675 THz, and is designed to support single wavelength DWDM single-fiber bi-directional transmission for 100G/200G/400Gbps network.

Features

- | Support 100G, 200G, 400G programmable
- | DP-DQPSK, DP-16QAM two modulation modes
- | Support 192.15~194.675THz frequency adjustable.
- | Support single fiber bidirectional transmission
- | Supports flexible client interface: 100/200/400GbE
- | 400GAUI-8, 200GAUI-4, 100GAUI-2 and CAUI-4 compatible
- | Built-in line-side OTN processing
- | Supports near-end and far-end data loopback
- | CFP2 MSA compliant
- | Hot-swappable electrically encapsulated interface
- | Low latency SD-FEC
- | Optimized DSP algorithms
- | Dual LC optical interfaces
- | Supply voltage: 3.3V
- | Operating temperature: 15°C to +75°C
- | Ultra-low power consumption: 25W
- | RoHS-6 compliant (lead-free)



Application areas

- | Metro DCI Interconnect
- | DWDM long distance transmission

Parameter		Min.	Common	Max.	Unit
Operating frequency range		192.15		194.675	THz
Operating frequency accuracy		-1.5		+1.5	GHz
Transmit optical power range	100G QPSK		-12		dBm
	200G QPSK		-8.5		
	400G 16QAM		-5		
Received optical power range (ROSNR>35dB)	100G QPSK	-32		0	dBm
	200G QPSK	-27		0	
	400G 16QAM	-18		0	
OSNR sensitivity	100G QPSK	11.2			dB/0.1nm
	200G QPSK	13.7			
	400G 16QAM	22.5			
Dispersion tolerance	100G QPSK			9600	ps/nm
	200G QPSK			9600	
	400G 16QAM			9600	
Polarization mode dispersion tolerance	100G			80	ps
	200G			60	
	400G			60	
Cold start time				120	s
Transmit wavelength switching time				10	s

Important Notice

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