FLEXOPTIX

400G QSFP-DD COHERENT TUNABLE DWDM WITH FEC ZR WITH DUAL CDR
120 km*, C-Band, LC-Duplex, Singlemode

D.CO164HG.2.yT
QSFP-DD
ZR

- Universal coherent tunable QSFP-DD Transceiver
- Compliant to OIF 400ZR
- Use FLEXBOX to configure to almost any vendor
- For 400GBASE-ZR Ethernet links
- Integrated Clock-Data-Recovery (CDR)
- DP-16QAM modulated signal
- *120 km for amplified links (min rx -12 dBm with OSNR >26 dB) based on application code 0x01.
  Tx & Rx wavelength required to be the same (one local oscillator)
- Supported Data Rates: 425 Gbit/s
- Up to 120 km via Singlemode OS2
- LC-Duplex Connector

SPECS	λ Coherent DWDM	⟷ 120 km	↓↑ 425 G	⇅ Tunable

PROTOCOLS	400G ETH

▤ SPECIFICATION

FORM FACTOR	QSFP-DD	DIGITAL DIAGNOSTIC MONITORING (DDM)	Yes, internally calibrated	TX TUNABLE RANGE	1528.77 - 1567.13 nm
CONNECTOR / POLISH	LC-Duplex PC	POWER CONSUMPTION	19 W	WAVELENGTH RX (RANGE)	1528.8 - 1567.1 nm
INTERFACE	Singlemode DWDM	CDR	TX and RX	LASER	EML
COMPLIANCE CODE	ZR	SGMII	No	RECEIVER TYPE	Coherent
OPERATING TEMPERATURE	Standard	INBUILT FEC	Yes, cFEC	MODULATION	DP-16QAM @400G
MODULATION	DP-16QAM	POWERBUDGET (DB)	6 dB	TRANSMIT AND DISPERSION PENALTY	0.5 dB
DISTANCE	120 km	TRANSMIT MIN/MAX PER LANE	-10 dBm / -6 dBm	CHROMATIC DISPERSION TOLERANCE	0 ps/nm to 2,400 ps/nm @400G
TEMPERATURE RANGE	0°C - 70°C	RECEIVER MIN/MAX PER LANE	-12 dBm / 0 dBm (overload) @400G	SUPPORTED PROTOCOLS	400G Ethernet
BANDWIDTH	425 Gbit/s	WAVELENGTH TX (TYPICAL)	tunable Coherent DWDM		

⬡ TRANSCEIVER CONFIGURATION WITH FLEXBOX
It's that easy to use

Insert into the **FLEXBOX**
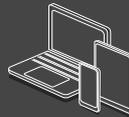
Select and Configure

Use with Device

How to get your free FLEXBOX? ›

▦ COMPATIBILITY

MSA STANDARD COMPATIBLE
CISCO SYSTEMS DP04QSDD-E20-190 COMPATIBLE

JUNIPER QDD-400G-ZR COMPATIBLE
JUNIPER QSFP-DD 400G-FR4 COMPATIBLE

NOKIA NETWORKS 3HE16564AA COMPATIBLE

☼ WHAT CUSTOMERS SAY

We use "FLEXBOX" and "FLEXOPTIX" for a few years now. Since then life is much easier. And even saved me sometimes in the middle of the night. Need a special vendor or type, plug it in, program, and done. Very... but very occasionally a compatibility is not present in the system. Just drop a e-mail to support with your needs to get an immediate response from "JIRA – the FLEXOPTIX robot" and your compatibility is added to your FLEXBOX within 24 hours. Just awesome!!

Nick Derksen
Infrastructure Engineer / Previder B.V

The FLEXBOX allows us to use 100MBit/s to multi-gigabit transceivers in our product for a wide range of customer needs. We can not solve them without this magic box!

Klaus Degner
Managing Director / Allegro Packets GmbH

Ordering and using FLEXOPTIX transceivers was far quicker than even getting a quote from traditional vendors.
Using the FLEXBOX is super easy and fast - 5 minutes to get transceivers ready including unboxing and enjoying packaged marshmallows.

Bronislav Robenek
Network Architect / Cloud4com

Formerly a System & Network Engineer at the service of French Academic and Research Network and currently developing my own IT services business, I have been a strong advocate of FLEXOPTIX "one-SFP-fits-all" approach since 2015!
Having purchased close to 1500 optics over the last few years for different kinds of projects (Metropolitan & Campus Networks, Datacenter, Nexans FTTO projects), I have always been completely satisfied with FLEXOPTIX products.
I have had the opportunity to test several competing solutions and for me "FLEXBOX" is by far the most advanced in terms of functionality, ease of use and compatibility.
Beyond the flawless technical aspects, the many human qualities of the different people I have had the opportunity to exchange with are a priceless advantage: sympathy, reactivity, impressive know-how, infallible logistics and after-sales services, FLEXOPTIX is a company you enjoy working with and you can trust one hundred percent.
Thanks a lot guys!

Francis Monestier
System & Network Engineer / JigWan