



DATASHEET

DCP-404

4 x 100GE muxponder

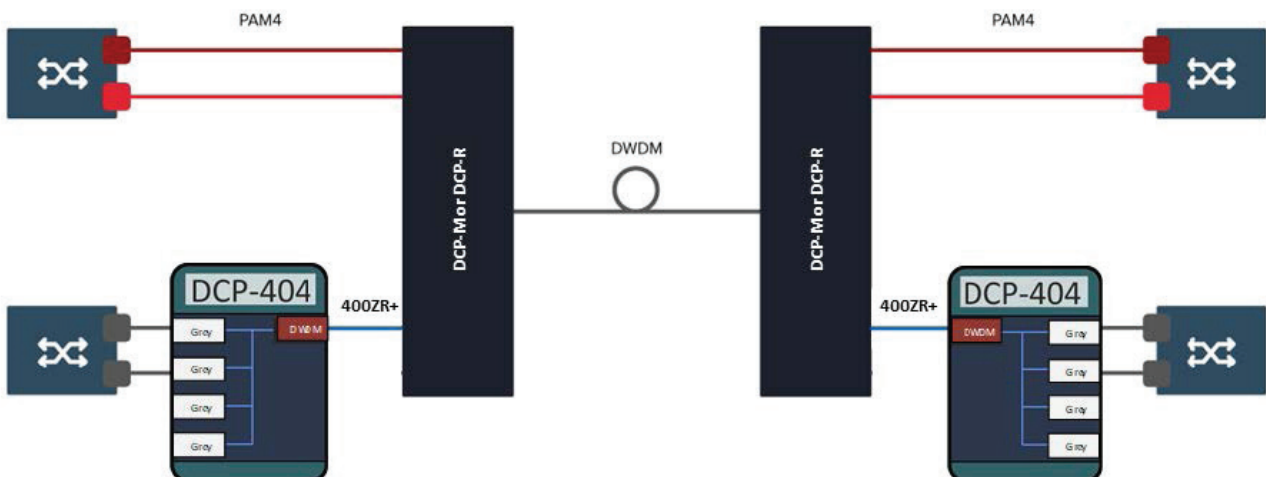


A MUXPONDER FOR 400ZR+ DWDM APPLICATIONS

In 100G configurations where low cost multiplexing and bandwidth utilisation are important factors, the DCP-404 open muxponder is the ideal solution. Equipped with 400G OpenZR+ DWDM transceivers, the DCP-404 is the ideal product for multiplexing 100G services in a cost-efficient way at the subscriber premises. The DCP-404 has support for 4 x 100G with QSFP28 on the client side and 1 x 400G with QSFP-DD on the line side. This includes support for a flexible range of QSFP28 client types (with and without FEC) and 400ZR+ DWDM optics on the line side.

DCP-404 IN SHORT

- Layer 1 Muxponder
- Support for 4 x QSFP28 ports for client signals
- Support for a flexible range of QSFP28 client type (SR4, LR4, CWDM4, ER4, ZR4)
- Support for one line module of Coherent 400ZR+ QSFP-DD or coherent 100G ZR+ QSFP-DD
- Support for multiple different line rates to ensure optical reach
- Low power consumption
- Low latency Design



ORDERING INFORMATION

DCP Series product codes

DCP-404

4x 100G muxponder, 1RU plug-in unit, 100G Ethernet, Client port: QSFP28, Line port: QSFP-DD

TECHNICAL SPECIFICATIONS

PRODUCT CONFIGURATION 400G Muxponder 4 x 100GbE, QSFP28 to QSFP-DD.

CLIENT INTERFACES

- 100G SR4 QSFP28
- 100G LR4 QSFP28
- 100G CWDM4 QSFP28
- 100G ER4 QSFP28
- 100G ZR4 QSFP28
- 100G DR QSFP28
- 100G FR QSFP28
- 100G LR QSFP28
- 100G FRx QSFP28
- 100G LRx QSFP28

LINE INTERFACES

- 400G OpenZR+ QSFP-DD (high power and low power)
- 100G OpenZR+ QSFP-DD

VISUAL INDICATORS

- Status LED Power & Alarm status
- Client LED:** 4 x individual client Tx/Rx
- Line LED:** Line Tx/Rx

MANAGEMENT

- CLI, SSH, SNMPv2c, SNMPv3
- NTP, SFTP, Syslog, RADIUS, TACACS+

TRAFFIC COMBINATIONS	Client	Line Speed	Modulation
	4 x 100GbE	400G	16QAM
	3 x 100GbE	300G	8QAM
	2 x 100GbE	200G	QPSK
	1 x 100GbE	100G	QPSK

SOFTWARE UPGRADES Traffic hitless software upgrades

SW FEATURES

- Client In-loop and Client Out-loop
- Link Loss Forwarding
- Performance Monitoring
- Ethernet PM with BIP error counter

DIMENSIONS

- Size (WxDxH)
- 1.73 x 8.07 x 10.63"
- 44 x 205 x 270mm
- Weight:** 1.8 Kg / 4 lbs

POWER CONSUMPTION

- Typical consumption at 220VAC:
- Normal operation:** 56W
- Max during power up:** 64W

LATENCY

Latency for S0-TQSFDD4CCZRP:

400G CFEC: 8 μ s**400G OFEC:** 5 μ s**300G OFEC:** 6 μ s**200G OFEC:** 7 μ s**100G OFEC:** 11 μ sMax 1 μ s for the card

ENVIRONMENTAL**Operating temp:** 0°C to +45°C**Cooling:** Front to back**Humidity:** 5% to 85%**Altitude:** 3000 m (10.000 ft)

** The information in this document is valid from release R8.1