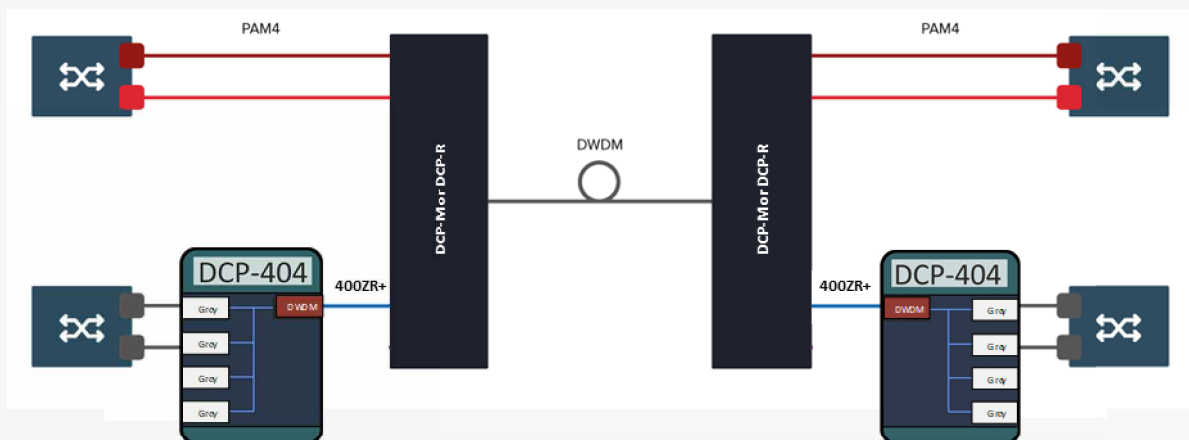# smartoptics
DCP-404
4 x 100GE muxponder

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 etc.)
- Support for one line module of Coherent 400ZR+ QSFP-DD
- Support for multiple different line rates to ensure optical reach
- Low power consumption
- Low latency Design

ORDERING INFORMATION

smartoptics

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 AND LINE INTERFECES:
100G Traffic:
SR QSFP28
LR QSFP28
ER QSFP28
ACO QSFP28

400G Traffic
OpenZR+ QSFP-DD

VISUAL INDICATORS
Status LED Power & Alarm status
Client LED: 40 x individual client Tx/Rx
Line LED: Line Tx/Rx

REAR SIDE CONNECTIONS
Management and console ports
4 x RJ45 management ports 10/100/1000 Base-T
1 x SFP management port 1000 Base-X
1 x RS-232 serial port
1 x RJ-45 local craft 10/100/1000 Base-T

MANAGEMENT PROTOCOLS
SSH/CLI, SNMP, NTP, TFTP, TACACS+, Radius, Syslog
In future release: REST, NetConf

SOFTWARE UPGRADES
Traffic hitless software upgrades

SW FEATURES
Client and Line in loop
Client and Line out loop
Link Loss Forwarding
Performance Monitoring

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

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

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

NOTE. THE INFORMATION IN THIS DOCUMENT IS VALID FROM RELEASE R7.0
Subject to change without notice. For more information visit smartoptics.com.