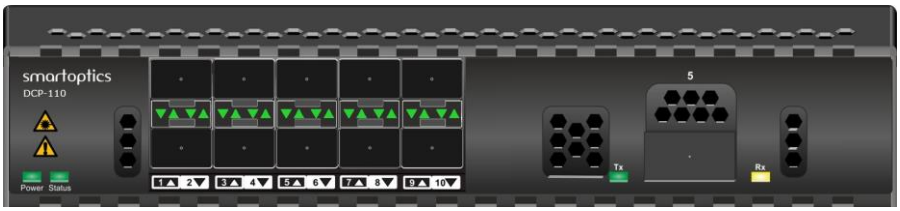
DCP-110

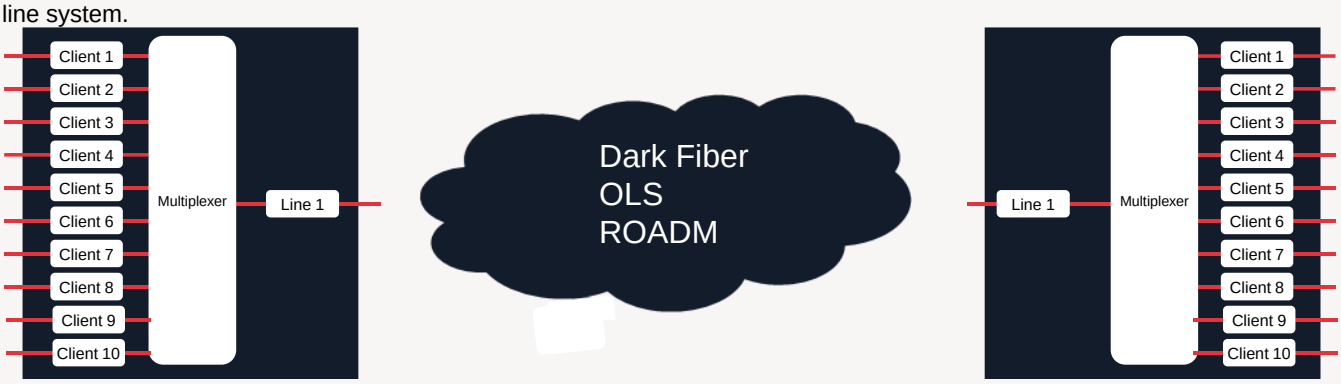
10 x 10G to 100G Muxponder



A MUXPONDER FOR 10G AGGREGATION TO 100G

The DCP-110 offers a cost efficient solution for L1 aggregation of 10GbE to 100G. For the line side it is possible to use grey 100G QSFP28 or coherent DWDM 100G QSFP-DD. The client side can use a flexible range of SFP+ client types for 10GbE.

When QSFP-DD is used on the line side the DCP-110 will use a coherent DWDM signal that can be directly connected to a DWDM line system.



DCP-110 IN SHORT

- Layer 1 Muxponder for DCP-2 chassis
- Support for 10 x 10G SFP+ for client signals
- Support for a flexible range of 10G SFP+ clients (SR, LR, ER, ZR, CWDM, DWDM, etc.)
- Support for grey QSFP28 LR4 on line side
- Support for coherent 100G DWDM QSFP-DD.
- Low power consumption
- Low latency Design

ORDERING INFORMATION

DCP Series product codes	
DCP-110	10 x 10G to 100G Muxponder, 1RU plug-in unit, Client port: 10xSFP+, Line port: 1xQSFP-DD

TECHNICAL SPECIFICATIONS

PRODUCT CONFIGURATION
10 x 10GbE Muxponder, 100G Line, QSFP28 or QSFP-DD

10G SFP+ CLIENT INTERFACES:
10G SR SFP+
10G LR SFP+
10G ER SFP+
10G ZR SFP+
10G DWDM (fixed channels)
10G CWDM

QSFP28 LINE INTERFACES:
100G LR4 QSFP28
100G SR4 QSFP28
100G CWDM4 QSFP28
100G ER4 QSFP28
100G ZR4 QSFP28

QSFP-DD LINE INTERFACES:
100G ZR+ QSFP-DD with MLG support

VISUAL INDICATORS
Status LED Power & Alarm status
Client LED: 10 x individual client Tx/Rx
Line LED: 1 x individual line Tx/Rx

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

SOFTWARE UPGRADES
Traffic hitless software upgrades

SW FEATURES
Client In-loop and Client 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: 52 W
Max during power up: 60 W

LATENCY
Max 11 μs for the QSFP-DD
Max TBD μs 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)

NOTE. THE INFORMATION IN THIS DOCUMENT IS VALID FROM RELEASE R9.0.1