



DATASHEET

DCP-1203

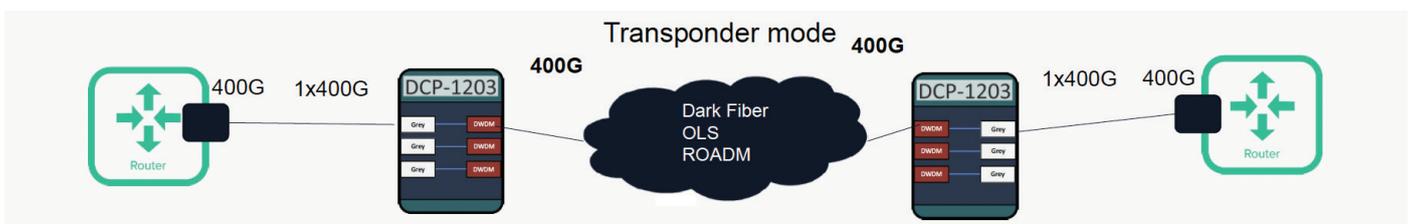
3 x 100/400G transponder



A TRANSPONDER FOR 100/400ZR+ DWDM APPLICATIONS

The DCP-1203 offers a cost efficient solution for 100G and 400G transport in a small form factor with low power consumption and low latency. It has three individual transponders on the same card. Each transponder can be used in 100G or 400G mode. The client side can use a flexible range of QSFP28 client types for 100G and QSFP-DD for 400G. The line side can use coherent DWDM 100GZR+, 400GZR and 400GZR+ QSFP-DDs.

The DCP-1203 is designed to handle two main use cases, one is to convert from grey 100/400G optics to DWDM and one where it is required to have demarcation point for signal hand-off. The first case is valid when it is not possible to put coherent DWDM 100G or 400G QSFP-DDs embedded in switches and routers. For the second case the transponder offers a demarcation point where it is possible to measure performance data before handing off the signal to another system.



It is also possible to use the DCP-1203 for regeneration with coherent DWDM QSFP-DDs on both client and line side. From a thermal and power perspective it is not allowed to use coherent QSFP-DDs on all 6 ports at the same time. It is allowed to use two repeaters at the same time, but then transponder number 2 should not be used at all.

VISUAL INDICATORS	Status LED Power & Alarm status Client LED: 3 x individual client Tx/Rx Line LED: 3 x individual line Tx/Rx									
MANAGEMENT	CLI, SSH, SNMPv2c, SNMPv3 NTP, SFTP, Syslog, RADIUS, TACACS+									
TRAFFIC COMBINATIONS	<table border="1"> <thead> <tr> <th>Client</th> <th>Line Speed</th> <th>Modulation</th> </tr> </thead> <tbody> <tr> <td>100GbE</td> <td>100G</td> <td>QPSK</td> </tr> <tr> <td>400GbE</td> <td>400G</td> <td>16QAM</td> </tr> </tbody> </table>	Client	Line Speed	Modulation	100GbE	100G	QPSK	400GbE	400G	16QAM
Client	Line Speed	Modulation								
100GbE	100G	QPSK								
400GbE	400G	16QAM								
SOFTWARE UPGRADES	Traffic hitless software upgrades									
SW FEATURES	Line In-loop 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: 40 W Max during power up: TBD W									
LATENCY	400G QSFP-DD CFEC: 8 µs 400G QSFP-DD OFEC: 5 µs 100G QSFP-DD OFEC: 11 µs 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)									

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