DanRiver TECHNOLOGIES

MC4C4

Muxponder 4x100G to 400G uplink

Main Features

- Layer 1 Muxponder
- Low latency Design
- Line side bit rate: 400G OTUC4
- Support forward, Remote and local loop-back
- Pay-as-you-grow architecture based on pluggable module
- Comprehensive line and service performance monitoring
- Easy maintenance with field-replaceable parts
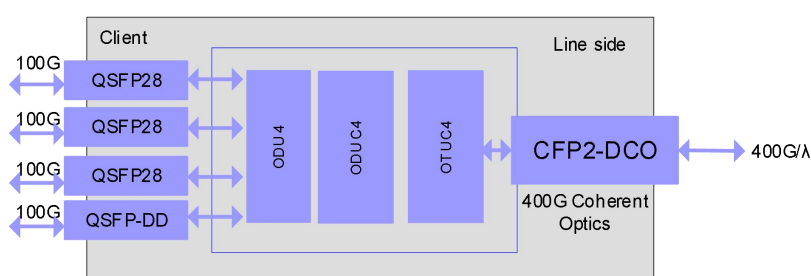- Support SNMP, iCEO B/S NMS

Figure 1: MC4C4 Board Card

Benefits

- Save cost, very Low cost Per Gbit
- Managed service platform CTX6600
- Modular and cost-effective for future growth and maintenanceaccess

Description

In 100G configurations where low cost multiplexing and bandwidth utilization are important factors, MC4C4 open muxponder is the ideal solution. Equipped with 400G CFP2-DCO, the M4CC4 is the ideal product for multiplexing 100G services in a cost-efficient way at the subscriber premises. The MC4C4 has support for 4 x 100G with QSFP28 on the client side and 1 x 400G with CFP2-DCO on the line side. M4CC4 diagram below:

Applications

- DWDM DCI Networking

Block diagram

Technical Specifications

Client Interface	MC4C4
Density	4
Client Formats	100GbE, OTU4
Optical interface	Hot pluggable QSFP28
Wavelength	850nm/1310nm/CWDM4
Optical Reach	100G QSFP28 SR4/LR4, 100G CWDM QSFP28 2km
Line Interface (Uplink)	
Density	1
Line side Capacity	400G OTUC4 hardware ready
Optical interface	Hot pluggable CFP2-DCO
Wavelength	C-Band DWDM, 80 channels grid-less Tunable
Modulation	16 QAM
Optical Reach	400km
FEC	SD-FEC
Configuration	
Operation mode	Forward, Remote and local loopback
Test	PRBS
Performance Monitoring	
Visual Indicators	LED status indicators for: client and line ports,STAT of line card
Optical Monitoring	Optical PM for all all optical ports
PM and alarm monitoring	Support OTN, Ethernet performance and alarm monitoring
OAM	Event logs
	Alarms
Physical feature	
Package options	Plug-in board
Platform	CTX6600 Chassis
Slot assignment	2 adjacent slots vertically, slot 5/6/9/10/13/14/17/18
Environment	
Operating Temperature	0°C to 45°C
Storage	-20°C to 85°C
Humidity	5% ~ 85% RH non-condensing
Power Supply	
Power Input	DC -48V input from backplane
Power Consumption	< 100
Compliance	
Standards	RoHS 5/6

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