

TC25G4

100G FAN out 4x25G/28G, Transponder

Main Features

- Protocol Transparent Transponder
- Support Multi-rate interfaces: 40GE, 100GE/OTU4, 10GE, 25G/28G
- Layer 1
- Support forward
- Pay-as-you-grow architecture based on pluggable module
- Comprehensive line and service performance monitoring
- Easy maintenance with field-replaceable parts
- Support CLI, Telnet, SNMP GUI NMS Danriver



Figure 1: TC25G4 Transponder Card

Benefits

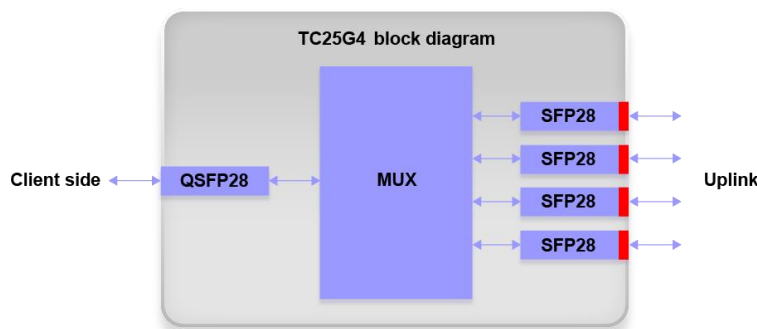
- Save cost, very Low cost Per Gbit
- Managed service platform CTX6600
- Modular and cost-effective for future growth and maintenance access

Applications

- DWDM DCI Networking

Description

With massive and ever-increasing traffic growth, network operators are having to upgrade transport network infrastructure to support data rates of 100Gbit/s and above. Specially for Data center interconnect, Now most suppliers provide solutions with 100G Coherent CFP2-DCO, it's very high cost per Gbit, Internet and cloud service providers are struggling to balance current need with Investment cost, Our TC25G4 solves this problem, the TC25G4 Card converts 100G to 4x25G DWDM line side, which is low cost solutions for DCI. TC25G4 diagram below:



Technical Specifications

Client Interface	
Density	1
Protocol	100GbE, OTU4, 40GE
Optical interface	Hot pluggable QSFP28, QSFP+ module
Wavelength	850nm/1310nm/CWDM4
Optical Reach	100G QSFP28 SR4/LR4/CWDM4/ER4 Lite/ER4/ZR4 40G QSFP+ SR4/LR4/ER4
Line Interface (Uplink)	
Density	4
Protocol	25.78G/28G/10GE
Optical interface	Hot pluggable SFP28 module
Wavelength	C-Band DWDM
Optical Reach	10km/15km
Configuration	
Operation mode	Forward
CDR Mode	N/A
Run Mode	Transmitter on, off, Automatic laser shut-down (ALS)
Performance Monitoring	
Visual Indicators	LED status indicators for: client and line ports, STAT of line card
Optical Monitoring	Rx/Tx Port Optical Power, link status etc
OAM	Event logs Alarms
Physical feature	
Dimensions(HxWxD mm)	20x192x223
Weight (kg)	0.35
Package options	Plug-in Card
Platform	CTX6600 I/II/V
Slot assignment	Any slot except for Slot 1
Environment	
Operating Temperature	-5°C to 50°C
Storage	-20°C to 85°C
Humidity	5% ~ 85% RH non-condensing
Power Supply	
Power Input	DC -48V input from backplane
Power Consumption	< 20W
Compliance	
Standards	RoHS 5/6