OTX Series

OTX1600

OLS Platform for DCI

Main Features

- Flexible OLS Architecture
- Multi-rate Transponders
- Muxponders for Wavelength Utilization
- Scale up to 80 wavelengths
- Amplifications over Long Distance
- Performance Monitoring
- Support Single or Dual Fiber
- Low Latency Connectivity
- Multiple Protection Methods
- Redundancy PSUs and FAN
- Easy maintenance with field-replaceable parts
- Remote Management with in-band or out-band Optical Supervisory Channel
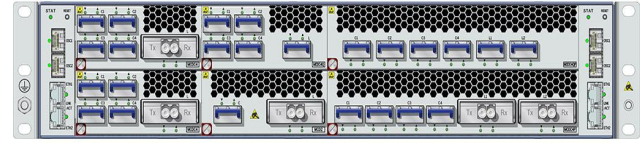- EMS Management Platform

Figure 1: OTX1600 Chassis

amplification, tunable dispersion compensation, optical time domain reflectometer, optical performance monitor, and protection with relevant optical cards for total solutions, it supports a wide variety of protocols and data rates from 100G to 200G per wavelength today and can scale to 400G and beyond.

OTX1600 platform Open, modular and scalable OLS architecture with a pay-as-you-grow design,these scalability options allow our customers to minimize their initial costs and truly scale the system as they benefit from it.

Description

Cloud and 5G technology offer enterprises, carriers and service providers enormous potential for growth. However, this continuous and rapid change also creates the need for more network capacity and flexibility. It's essential to build today's networks on an open, flexible and scalable optical layer ready to accommodate evolving demand and innovation. Featuring a fully modular and open design, our OTX1600 open line system (OLS) provides complete versatility and best performance in metro, core and data center interconnect (DCI) applications.

OTX1600 centrally managed platform, 2RU chassis, optimized 2RU shelf for active components for DCI-OLS , accepts modular setup plug-in board cards for transport and aggregation which provides transponder, xWDM Optical Multiplexer/De-multiplexer, optical

Benefits

- Pay-as-you-grow, Flexible and scalable optical layer with low initial cost
- Compact Space and Low Power, save cost for scarce resource
- Cost-effective per bit through design, modular, flexible expansion for future growth,OAM easily.
- Open Hardware,no technology or vendor lock-in

Applications

- DWDM DCI Networking

Specifications

Platform	OTX1600
Universal Slots	8
Sled width	Hot-swappable one-slot, two-slot, three-slot, four-slot sleds
Supported board type	Transponder, Muxponder ROADM, OPS, EDFA, OCM, OTDR modules
Wavelength(MAX.)	80 channels DWDM
Maximum Rate per wavelength	100G/200G/400G
Multiple units stacked	Supported (Multiple units can be stacked and appear as a single network element with a single management IP)
Management card	2xOEC, 1+1 hot-swappable Redundancy,bundle with chassis, field Replaceable
Network Management	SNMP and NETCONF/YANG, Danriver's iCEO
Power Input	Power supplies,1+1 dual Redundancy, Rear access, AC:85V ~ 264VAC and 240HDC, Hot Swappable, field Replaceable
Power Consumption(Full load)	576
Cooling System	Fan cooling 2+1 Redundancy, bundle with chassis, Rear and front ventilation,field Replaceable
Rack Unit	2RU
Rack mount	19'' Rack, ETSI 600
Dimension(HxWxD mm)	88x442x500
Weight (kg, full config of Service boards)	32
Operating Temperature	-5 to 50℃
Storage Temperature	-20 to + 85℃
Humidity	10% ~ 90% non condensing
Compliance	NEBS,ETSI,RoHS 5/6