DWDM/OTN for Data Center Interconnect

Challenges

- ◆ Connectivity between multiple remote offices or data centers
- ◆ Delivery of high-capacity, low-latency private fiber optic networks
- ◆ Comprehensive, high-level data security and compliance with encryption and privacy regulations
- ◆ Data and storage (Fibre Channel) synchronous replication
- ◆ High network availability with full hardware redundancy
- ◆ Achieving low OPEX backbone that is easy to maintain and grow

Solution

- ◆ Build high capacity DWDM backbone network
- ◆ Transport up to 400G over single wavelength
- ◆ Expand business opportunities by offering a flexible mix of services
- ◆ Secure connectivity and storage for all data with Layer-1 encryption
- ◆ Achieve low OPEX with 1U devices and minimal power consumption
- ◆ Benefit from quick and easy expansion with pay-as-you-grow scalable architecture
- ◆ Reduce hassle with equipment that is easy to deploy and operate

Industries

DCI

Broadcast

Government

Enterprise

Education

Carriers

ISP

Dark Fiber Providers

♞ Products for This Solution

PL-4000M
400G muxponder

PL-4000T
1.6T transponder/muxponder

PL-4000G
4.8T transponder

PL-2000M
200G multi-rate muxponder

PL-2000T
800G transponder

PL-2000ADS
200G ADM
muxponder/transponder
for short haul

♞ Main Features

- ◆ Scalable 10/100G/200G/400G networks
- ◆ 1U with integrated mux/demux, optical amplifiers, and optical switch
- ◆ Encryption per service or per uplink
- ◆ Supported services: 1/10/25/40/100/400GbE, 8G/16G/32G FC
- ◆ Flexible mix of client service bitrates
- ◆ Supports protected ring and point-to-point topologies

Layer-1 Encryption

Low Power Consumption

1U Rack Mount

Mix of Services

PacketLight ™
N E T W O R K S