

# Solutions 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

- ◆ Benefit from a high capacity DWDM backbone network
- ◆ Expand business opportunities by offering a flexible mix of services:
- ◆ Secure connectivity for all data with Layer-1 encryption
- ◆ Get low OPEX guaranteed with 1U devices and minimal power consumption
- ◆ Pay-as-you-grow scalable architecture enables quick and easy expansion
- ◆ Reduce hassle with equipment that is easy to deploy and operate



## Industries



DCI



Cloud service  
providers



Video providers



Enterprises



Education



Government

# Products for This Solution



**PL-2000DC**  
1.6T platform



**PL-2000T**  
800G platform



**PL-2000M**  
200G multi-protocol  
coherent muxponder



**PL-2000AD**  
200G ADM for long haul



**PL-1000TE**  
Multi-rate 1G-40G  
transponder

## Advantages

- ◆ Scalable 100GbE services network
- ◆ Integrated solution with mux/demux and optical amplifiers
- ◆ Encryption per service or per uplink
- ◆ Supported services - 10G/40G/100G Eth, STM-64/OC-192, 8G/16G/32G FC, OTU2/2e/3/4
- ◆ Up to 200G capacity per wavelength
- ◆ Flexible aggregation of mix of services
- ◆ Supports protected ring and point-to-point topologies
- ◆ Features OTN cross-connect of up to 100G services into dual 100G uplink



Layer-1  
Encryption



Low Power  
Consumption



1U Rack Mount



Mix of Services