

# PL-4000G 4.8T Transponder

## Mix of 400GbE and 100GbE over 400G wavelengths for high capacity DCI applications, in integrated 1U

### Features Overview

- Pay-as-you-grow architecture based on standard pluggable coherent optical modules
- Operation modes:
  - 12 x 400GbE transponder
  - 48 x 100GbE transponder
- Supported services: 100GbE, 400GbE
- Supports oFEC (OpenROADM standard) and CFEC (OIF-ZR standard) on the line side
- Standard MSA pluggable modules:
  - 12 x 400GbE QSFP-DD-DR4/DR4+/FR4/LR8/FR8 clients
  - 48 x 100GbE QSFP-DD-DR4/DR4+/FR4 clients
- Comprehensive line and service performance monitoring
- Integrated EDFA, mux/demux and optical switch (optional)
- Facility protection using an integrated optical switch (optional)
- Remote management with out-of-band OSC
- Easy maintenance with field-replaceable parts:
  - Dual hot pluggable power supply units (AC/DC)
  - Fan unit

### 100GbE/400GbE Transponder

The PL-4000G is a modular and cost-effective high capacity solution for rolling out 400GbE and 100GbE services, or increasing existing network capacity. The device has twelve 400G pluggable uplink optical modules, delivering up to 4.8T in a 1U chassis. The PL-4000G integrates mux/demux, EDFA and OSW and delivers the entire optical layer. This flexible solution enables pay-as-you-grow architecture.

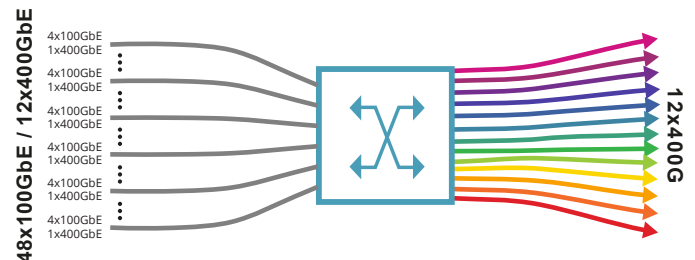


### Main Benefits

- Cost-effective high capacity transport mix of 100GbE and 400GbE client services
- Up to 12 x 400GbE transponders
- Up to 48 x 100GbE transponders
- Integrates EDFA, mux/demux and optical switch in 1U
- Modular and cost-effective for future growth and maintenance
- Low power consumption, high density device ports

### Full Demarcation

The device provides full demarcation point between the service and the DWDM network, and is interoperable with any third party switch or router. This provides full visibility and performance monitoring of both the optical transport layer and 100GbE/400GbE service interfaces.



PL-4000G Transponder Diagram

### Recommended applications:

- High capacity DCI for Internet exchange and research and education networks
- 400G links to bolster existing DWDM infrastructure
- Last mile access/aggregation CPE for 100/400GbE managed services