PL-1000GM

Multirate 10G/40G/100G Optical Transport Solution

The PL-1000GM is an advanced, Multiservice 8G/10G/40G/100G Muxponder/Transponder solution for Metro Applications

FEATURE OVERVIEW

Highest 100G density feature set in the market. Compact 1U platform with low power consumption ideal for CPE (Customer Premises Equipment)

Various Muxponder configurations for aggregation services into a 100G OTU4 DWDM Uplink:
- **10 x 8/10G**
- **1x40G + 6x8/10G**
- **2 x 40G + 2x 8/10G**

100G Transponder mode

Supported clients:
10G LAN/WAN, 8G/10G Fibre Channel, STM64/OC192, TU2,OTU2e, 40GBase-SR4/LR4, OTU3, OTU3e, 100GBase-SR10

Standards based ITU-T G.709 100G Forward Error Correction (FEC) GFEC

Supports Full C-Band Tunable DWDM Line sides

Comprehensive Line and Service performance Monitoring

Integrated EDFAs, Mux/Demux, DCM

Remote management with In-band or Out-band Optical Supervisory Channel

In-band (GCC) management for all Line side and Client side OTN interfaces

Dual AC or DC pluggable Power Supply and pluggable FAN Unit

Supports standard MSA pluggable SFP+ (8G/10G client), QSFP+ (40G client), CXP (100G client) and CFP (uplink)

Operates on both dual or single fiber

100G MULTIPROTOCOL MULTIRATE MUXPONDER/TRANSPONDER FOR METRO AND DATA CENTER HIGH CAPACITY SOLUTIONS

The PL-1000GM is PacketLight's 100G Multiprotocol Multirate Muxponder/Transponder for high capacity optical transport solutions.
It is highly integrated platform for providing a unified 100G optical transport layer- supporting various client services including protocols: 40G/100G LAN, 10G LAN/WAN, STM64/OC-192, OTU2/3 and 8G/10G FC.

The PL-1000GM is designed to provide 100G transport solution in modular and cost effective way for rolling out services. It uses standards based, pluggable optical modules on all the optical interfaces on both client and line side. It is targeted for meeting the market demands for low power consumption, rack space savings and reduction in the overall solution CAPEX and OPEX by increasing the capacity of enterprise and metro networks.

The PL-1000GM supports a flexible mix of 10G/40G client interfaces for current and future needs aggregating them into a 100G uplink. The platform thus allows migration from current to future service requirement (protocols and rates) without the need to replace the unit.

The PL-1000GM seamlessly integrates with PacketLight'ts PL-2000 and PL-1000TN to deliver carrier grade high end 100G solutions capable of serving multiple applications and protocols for Enterprise/Data Center and Metro networks ranging from the Data, Storage, TDM, ATM and Video networks.

The PL-1000GM 1U device supports up to two integrated optical amplifiers, Mux/Demux and DCM providing the smallest, most integrated transport solution of its kind reaching up to 120Km without intermediate sites.

PacketLight's PL-1000GM is a multifunction solution which has two operation modes:
1) Muxponder : Flexible mapping of 40G and 8G/10G client protocols over standard based OTU4 line
2) Transponder solution for 100G LAN client