

PL-2000ADS 200G ADM/Muxponder/Transponder

Multi-protocol multi-rate 200G transport solution for short haul networks, with Layer-1 encryption

Features Overview

- Supports multiple, user-configurable, operation modes: muxponder, transponder, and ADM
- Supported clients:
 - 10Gb/40Gb/100Gb Ethernet
 - 8G/16G/32G Fibre Channel
 - 12G-SDI
 - STM-64/OC-192
 - OTU2/OTU2e, OTU4
- Standards-based forward error correction (FEC) for short haul applications
- Dual pluggable QSFP28 interfaces for uplink and client
- Layer-1 GCM-AES-256 based encryption
- Low latency muxponder/transponder/ADM
- Comprehensive line and service performance monitoring
- Remote management with in-band or out-of-band optical supervisory channel (OSC)
- Supports standard MSA pluggable:
 - SFP+ (8G/10G/16G/32G FC client)
 - SFP28 (32G FC client)
 - QSFP+ (40GbE client)
 - QSFP28 (100GbE client)
 - QSFP28 (100GbE uplink)
- Dual AC or DC pluggable power supply and pluggable fan unit

Short Haul 200G Applications

The PL-2000ADS provides modular and cost-effective high transport capacity of up to 200G by aggregating multiple services into dual 100G OTU4 uplinks. The solution is low power consumption and saves rack space, reducing overall CAPEX and OPEX, and enabling to easily and cost-effectively increase capacity of short haul networks.



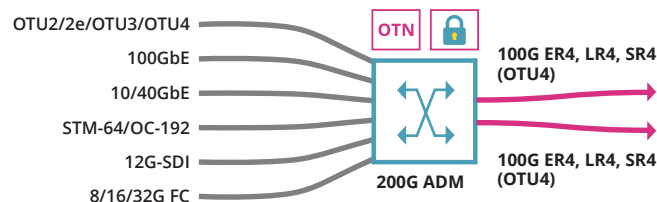
Main Benefits

- Easy deployment and management of dual 100G short haul / access networks
- Versatile 1U chassis platform, with very low power consumption
- Embedded GCM-AES-256 encryption for all protocols
- Encryption feeder in front of any third party OTU4 interface

Security and Encryption for all Services

The PL-2000ADS is a cost-effective 200G solution for short haul and access networks, incorporating GCM-AES-256 Layer-1 encryption.

The unit can also function as a standalone 200G encryption machine for any mix of the featured client services.



Multiple Client Services Aggregate into Dual 100G OTU4 Uplinks

Recommended applications:

- Last mile access/aggregation CPE for 10/40/100GbE managed service
- High capacity, short haul enterprise and campus networks
- Dynamic add/drop of services in ring and linear add/drop topologies
- Feeder solution for third party OTU4 transponder card
- Up to 200G Layer-1 encryption solution for 10/40/100GbE services
- High bandwidth connectivity for data center and cloud computing