

PL-1000RO WSS ROADM

Highly flexible wavelength routing

Features Overview

- Flexible add/drop of wavelengths
- Up to 8-degree ROADM
- Flex-grid ready
- Supports 10G/100G/200G and 400G wavelengths
- Up to 96 C-band add/drop wavelengths (configurable)
- WDM spacing - 50GHz or 100GHz
- Supports automatic channel restoration
- Power monitoring on all channels
- Optical power equalization between all channels
- A-to-Z provisioning of wavelengths and protection through NMS system
- Supports up to 96 C-band channels
- Supports optional embedded EDFA booster/pre-amp
- Dual AC or DC pluggable power supply and pluggable fan unit

Colorless, Directionless ROADM for 50GHz and 100GHz Grid

The PL-1000RO offers ROADM functionality based on advanced next generation wavelength-selective switch (WSS) technology.

The solution offers highly flexible wavelength routing capabilities suitable for mesh, ring, linear add/drop, core and edge DWDM network topologies. The PL-1000RO supports colorless, directionless, flex-grid, 50GHz grid and 100GHz grid (configurable).



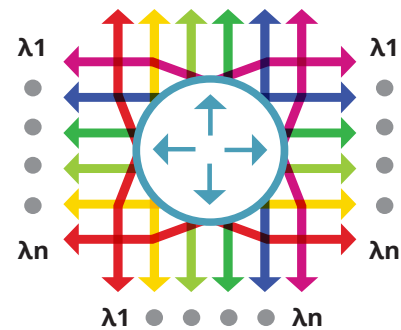
Main Benefits

- Power monitoring for all channels and automatic power balancing
- Supports optional embedded EDFA booster/preamp
- Optional DCM and band splitters
- Embedded optical supervisory channel (OSC) for remote management
- User-friendly NMS to deploy new services, control and monitor the optical network

Full Fiber Diagnostic Device

The user configures the PL-1000RO dynamically to add/drop selected wavelengths at any node in the network and can seamlessly change the network node capacity as needed. The device automatically equalizes and balances the power of the added and bypassed wavelengths.

The PL-1000RO simplifies network management and reduces operation costs (OPEX) by allowing fast deployment of new wavelengths remotely. The ROADM fully integrates with PacketLight's WDM product line.



PL-1000RO Integrated ROADM Platform

Recommended applications:

- Configuration and management of mesh and ring-based DWDM network architecture
- Wavelength routing for mesh, ring, linear add/drop, core and edge DWDM network topologies
- Wavelength power balancer in amplified links
- Network management by remotely deploying new wavelengths