

## Coriant® Pluggable Optical Layer

*Revolutionary Metro Optical Network Solution*

### OPTIMIZED FOR EVOLVING METRO SERVICE NEEDS

As video, cloud, and mobile applications drive increased demand for transport capacity, Coriant is bringing a revolutionary approach to metro networks with the industry's first fully pluggable optical layer, an innovative and cost-saving approach to building out flexible, high-speed metro optical networks to meet the needs of a broad range of fixed and mobile applications. Optimized for the rapidly evolving and unpredictable service demands of enterprise, service provider, Internet Content Provider (ICP), and other end-user customers, the Pluggable Optical Layer gives network operators a new set of tools to deliver profitable connectivity services while positioning the metro network for cost-effective growth.

### MAXIMUM FLEXIBILITY, COST-EFFICIENT SCALABILITY

By disaggregating the full suite of optical layer components into compact pluggables, the Pluggable Optical Layer provides the ability to mix and match different functional components, giving network operators the tools to customize metro optical network deployments (e.g., fixed DWDM, CWDM, and ROADM) without having to pay for unwanted or unneeded functionality. As end-user needs evolve, new functionality can be easily and cost effectively introduced by adding or swapping additional components, while preserving investment in those components that do not need to change. The Pluggable Optical Layer features the ideal combination of flexibility and modularity to optimize metro networks for low cost and small form factor.

### BROAD APPLICATION SUPPORT AND ADAPTABILITY

The Pluggable Optical Layer supports a broad range of metro network topologies and configurations (e.g., point-to-point, ring, ROADM spur), and helps service providers protect their investment by enabling seamless and non-disruptive upgrade to full ROADM capabilities without sacrificing footprint, power consumption, or cost effectiveness. The solution can reduce costs by up to 30% compared to traditional approaches, enables an expedited initial deployment, and ensures pay-as-you-grow scalability for cost-efficient growth.

Key features of the Pluggable Optical Layer include:

- **Seamless evolution to ROADM** – Support network transformation from fixed DWDM to ROADM configurations through pluggable additions that simplify network evolution, protect initial investments, and reduce equipment upgrade time
- **Customized network topologies** – Build or extend your metro network topology based on application need, whether point-to-point, ring, spur, or arc, and easily and cost efficiently change the topology as end-user or traffic demands evolve
- **Easy introduction of in-service wavelengths** – Add 100G wavelengths to existing 10G networks with simplified planning and operations and pay-as-you-grow scalability with no service disruption

### BENEFITS OF THE CORIANT® PLUGGABLE OPTICAL LAYER

- **Enable** flexibility to address any metro network design requirement
- **Realize** low start-up deployment costs and pay-as-you-grow scalability
- **Reduce** costs by up to 30% compared to traditional approaches
- **Extend** packet optical innovation further to the edge of the metro network
- **Protect** investment by enabling evolution from fixed DWDM/CWDM to ROADM without sacrificing footprint and power consumption

### PLATFORM SUPPORT



Coriant introduces the initial Pluggable Optical Layer release with the Coriant® 7100 Pico™ Packet Optical Transport Platform and the Coriant® 7100 Nano™ Packet Optical Transport Platform.

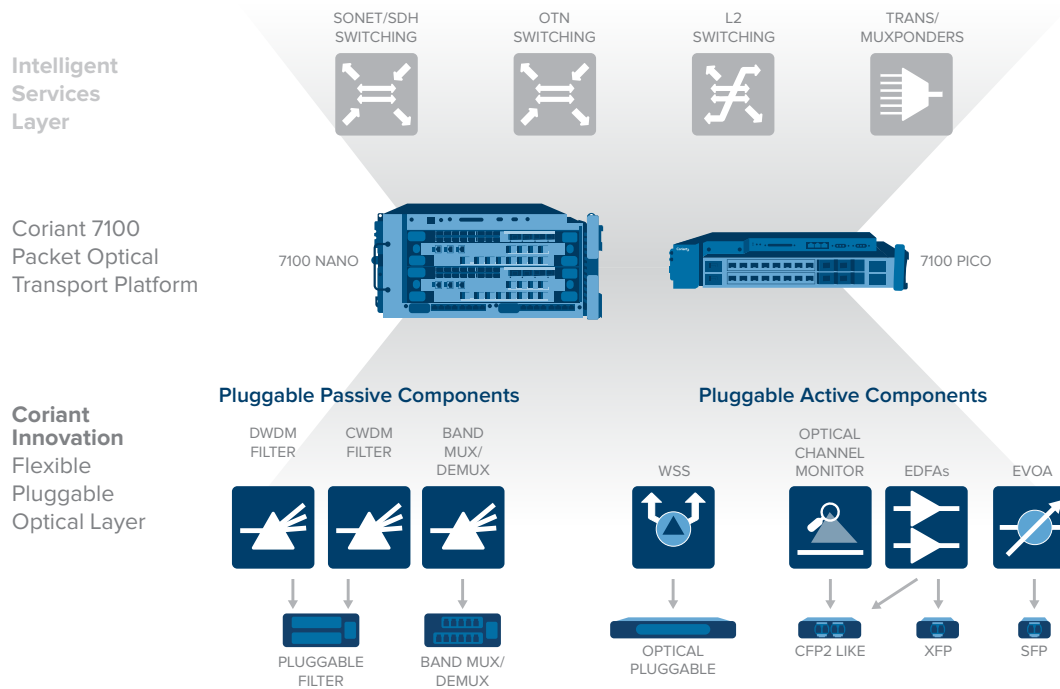


Figure 1: The Coriant Pluggable Optical Layer Solution Set

## EXTENDING PACKET OPTICAL INNOVATION TO THE METRO EDGE

The Pluggable Optical Layer builds upon and complements Coriant's leadership in metro ROADM and long haul DWDM and is designed for use across Coriant's end-to-end, SDN-enabled product portfolio. The solution is initially supported on the industry-leading Coriant® 7100 Packet Optical Transport Platform, which includes the 7100 Pico and 7100 Nano. In combination with the robust feature set of the 7100 platforms, including cost-efficient support for metro access, metro transport, and data center connectivity applications, the Pluggable Optical Layer solution can easily extend full multi-service capabilities closer to the edge of the metro network and empower a comprehensive world-class metro transport solution.

## LEVERAGE PROVEN METRO NETWORK DESIGN EXPERTISE

Coriant offers comprehensive metro network design and analysis services to help network operators maximize their network infrastructure investment to reduce costs, increase revenue, improve profitability, and accelerate time-to-market. Contact us today to schedule time with our network design experts to understand the full value that the Pluggable Optical Layer can bring to your network architecture and service offerings.

## ABOUT CORIANT

Coriant delivers innovative, dynamic networking solutions for a fast-changing business world. The Coriant portfolio of SDN-enabled, edge-to-core transport solutions enables network operators to reduce operational complexity, improve utilization of multi-layer network resources, and create new revenue opportunities. Coriant serves leading network operators around the world, including mobile and fixed line service providers, content providers, data center operators, cable MSOs, large enterprises, government agencies, financial institutions, and utility companies. With a distinguished heritage of technology innovation and service excellence, forged by over 35 years of experience and expertise in Tier 1 carrier networks, Coriant is helping its global customers maximize the value of their network infrastructure as demand for bandwidth explodes and the communications needs of businesses and consumers continue to evolve. Learn more at [www.coriant.com](http://www.coriant.com).

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