

DATA SHEET

5430

Packet-Optical Platform



Ciena's 5430 Packet-Optical Platform is the industry's first multi-terabit packet-optical switching platform that transforms networks into scalable, flexible, cost-reduced service-enabling infrastructures to meet the monumental traffic growth challenges of the 21st century.

The system features an agnostic switch fabric capable of switching SONET/SDH/OTN/packet, Ciena's OneConnect Intelligent Control Plane, and compact design, with 15 Tb/s switch capacity in a single bay. The 5430 uses Ciena's FlexiPort technology to offer unprecedented flexibility and investment protection with programmable interfaces for switching SONET/SDH, OTN, and Ethernet. Architected to support speeds ranging from 155M to 200G in a high-density, energy-efficient platform, the 5430 is a compelling solution for network operators' metro and core networks.

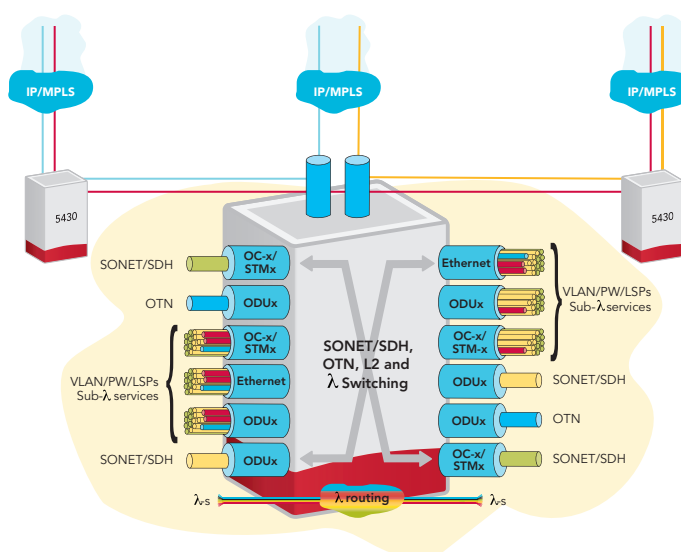


Figure 1. Converged switching for optimized bandwidth management

Features and Benefits

- Utilizes Ciena WaveLogic technology for coherent DWDM optical interfaces
- Increases network availability for mission-critical services (measured in the field at over six-9s); and handles multiple simultaneous failures
- Allows users to select the most flexible networking model for packet, optical, and/or OTN redundancy options as needed
- Provides more reliable, deterministic transport of packet services
- Retains full mesh connectivity while most efficiently transporting Ethernet and other services over a DWDM optical network
- Provides 500 Gb/s per service slot capacity and offers a 15 Tb/s switch matrix
- Enables intelligent automated provisioning, planning and protection/restoration via OneConnect, the world's most advanced multi-layer ASON/GMPLS control plane
- Consolidates SONET/SDH, OTN, and Ethernet/MPLS networks
- Reduces sparing and eases provisioning with programmable SONET/SDH/OTN/Ethernet
- Transforms networks to scalable, cost-efficient service delivery systems via OTN/packet switching, enabling IP router offload, minimizing CAPEX outlays