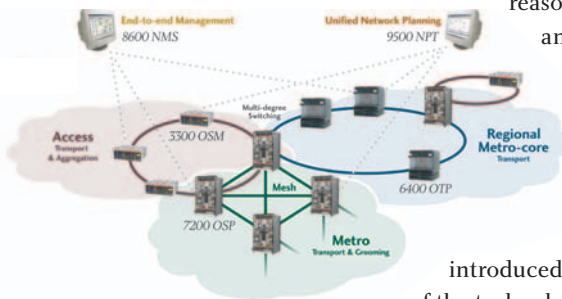




Converged Ethernet-Optical Transport Solutions for Enabling Delivery of NGN Services

MERITON'S
AGILE OPTICAL
NETWORKING

AON



Meriton's Agile Optical Networking brings best-in-class products into a unified portfolio that delivers the level of mission flexibility, integration and interoperability necessary for the new era of metro networking.

With the enormous growth in IP services such as IPTV, business Ethernet services and wireless backhaul, network operators are embracing new Carrier Ethernet Transport (CET) platforms. The reason is simple: Ethernet's low cost and ubiquity in the LAN has

helped it cross the chasm to WANs and metro networks.

While in the past many believed that Ethernet could not be carrier grade, today standards are being

introduced to address any past limitations of the technology. As a result, Carrier Ethernet Transport platforms are now available to enable the delivery of reliable, high-bandwidth IP services at profitable margins.

Meriton Networks is the inventor of Agile Optical Networking (AON), a carrier-grade solution for service provider migration to next-generation IP services architectures. A key pillar of AON is the integration of Ethernet aggregation and switching with optical transport to enable CET. Providing a highly scalable, resilient, end-to-end solution, CET reduces CAPEX (by replacing Layer 2 Ethernet switches and reducing the number of Ethernet port interfaces) as well as OPEX (fewer network elements to manage and faster service activation), while providing an innovative approach for handling the demands of Ethernet traffic.

With the introduction of CET technology into the Meriton AON portfolio, AON delivers scalable, resilient, profitable Ethernet services. At the same time, AON delivers a unified optical infrastructure that can sustain current legacy services, support a migration path to wavelength services, and provide investment protection.

AGILE OPTICAL NETWORKING ARCHITECTURE

- A truly unified, end-to-end solution designed to give network operators multi-service flexibility and operational simplicity with the lowest total cost of ownership.
- One-time node engineering that provides any service to any port
- Zero touch provisioning from an automated network

MIGRATION TO CARRIER ETHERNET TRANSPORT

- Improves efficiency of network resources (optimizes handoff to Ethernet service layer, reduces the number of Ethernet port interfaces, etc.)
- Supports multi-degree GigE switching in the optical domain
- Provides end-to-end separation of the optical and packet layers, so that the client layers can provide their own protection
- Controls where the traffic is flowing and provides reporting at any time

UNIFIED NETWORK PLANNING MANAGEMENT

- Comprehensive network-planning tool handles all network demand design and link budget engineering across the entire network
- Outstanding network visibility through Layers 0, 1 and 2 performance monitoring
- State-of-the-art interfaces for managing end-to-end light paths (not just wavelength segments)

LOWEST COST OF OWNERSHIP

- Lowers CAPEX and OPEX while providing scalable, dynamic infrastructure
- Provides future-proof investment protection
- Any-service-any-port provides flexibility for network operators to migrate from SONET/SDH to Ethernet services without having to change-out any equipment



Products and Services

METRO ACCESS

3300 OSM (Optical Services Multiplexer)

A versatile, cost-effective C/DWDM service multiplexer with support for Optical Ethernet, SONET/SDH and Storage Area Networking (SAN) high-speed services.



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METRO CORE & REGIONAL TRANSPORT

6400 OTP (Optical Transport Platform)

The 6400 OTP is a Reconfigurable Optical Add/Drop Multiplexer (ROADM) system that provides flexible, re-configurable optical add/drop transport with zero-touch provisioning for Optical Ethernet, SONET/SDH, and Storage Area Networking (SAN) services.



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METRO SWITCHING

7200 OSP (Optical Switching Platform)

An award-winning networking system that collapses CWDM/DWDM transmission and wavelength switching for Ethernet and SONET/SDH traffic that provides flexible, transparent, multi-degree optical switching and optical add/drop from multiple CWDM and DWDM links transporting Optical Ethernet, SONET/SDH, and Storage Area Networking (SAN) services.



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MANAGEMENT PRODUCTS

8600/8500/8300 NMS/EMS (Network and Element Management System)

Flexible management systems that transform wavelength transport infrastructure into service delivery platforms with point-and-click, end-to-end service provisioning, and centralized performance monitoring and fault isolation.



NETWORK PLANNING PRODUCTS

9500 NPT (Network Planning Tool)

The Network Planning Tool simplifies the design and planning across the entire AON portfolio. From simulation and verification of optical layer transmission performance, to full traffic planning and engineering, the 9500 NPT presents a unified and automated approach to designing optical networks.



COMPREHENSIVE WORLDWIDE SUPPORT

Working with authorized MeritonCare delivery partners, Meriton provides around-the-clock support and professional services to any location in the world.

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