



Equinix

Equinix, based Los Angeles, CA, is a leading provider of network-neutral data centers and Internet exchange services, for enterprises, content companies, systems integrators, and services providers. Known as the “Home of the Internet,” Equinix is widely recognized as the foremost supplier of central hubs for more than 200 networks that serve over 90% of the world’s Internet networks. The world’s largest web presences — including Google and Yahoo! — operate at Equinix.

BUSINESS ISSUE

The high demand for Equinix services resulted in significant growth of its metro area link service. Coupled with growth in Gigabit Ethernet (Gig E) traffic, Equinix soon found that it had to double its link port capacity.

Equinix needed to expand its network infrastructure without losing its ability to provide unmatched service diversity, flexibility, and reliability.

MERITON SOLUTION

In early 2005, Equinix deployed several of Meriton’s 6400 OTP (Optical Transport Platform) systems at their Silicon Valley IBX® (Internet Business Exchange) Center in San Jose. Later in 2005, with no disruption to network traffic, Equinix increased capacity by adding ports, wavelengths and nodes to its existing SONET rings and to support the high growth in Gigabit Ethernet (Gig E) traffic. The great success of this original deployment made the 6400 OTP network the logical solution for the next deployment in 2006 at Equinix’s new IBX® centers in the Los Angeles area.

Meriton’s 6400 OTP is the industry’s first and most widely deployed multi-service ROADM (Reconfigurable Optical Add/Drop Multiplexer). With a transport capacity of 2.5 Gb/s to 40 Gb/s lambdas, the 6400 OTP platform provides the carrier-class capability that Equinix needs for its rapidly growing infrastructure. The 6400 OTP has a fully automated optical layer that dramatically simplifies installation, provisioning, and management, minimizing the resources needed for operations and support.

Meriton’s Agile Optical Networking provides Equinix with a foundation that lets it offer new high-bandwidth services faster and with lower operational costs.

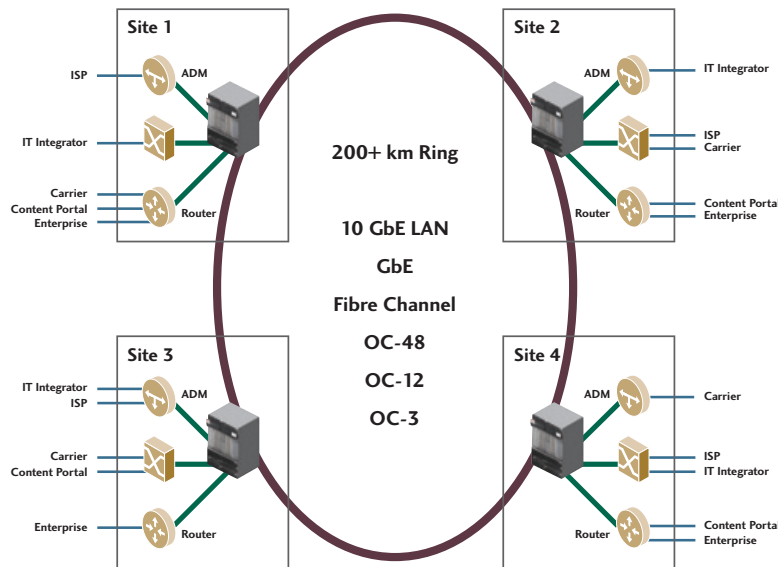
BENEFITS

- Network efficiency — The ADM-on-a-Wavelength™ transponder card provides the ability to aggregate multiple Gig E wavelengths onto a 10 Gb/s wavelength allowing efficient traffic transport throughout Equinix’s expanded network
- Service flexibility — Pluggable optics and multiservice/multirate line cards provide per-port service flexibility with minimal line card investment. Equinix uses the 6400 OTP transponder cards to support OC192 and 10 Gig E LAN/WAN, aggregate multiple OC3/12/48 onto 10 Gb/s wavelengths, and aggregate Gig E, Fibre Channel, FICON, ESCON, and DVB-ASI signals onto a 10 Gb/s wavelength.
- Simplified, dynamic provisioning — Equinix realizes operational savings through automated, remote wavelength provisioning
- One-time engineering — Equinix has been able to add capacity, wavelengths, and even additional nodes to the network without having to re-engineer the optical ring
- World-class support and service — With Meriton’s Agile Optical Networking, Equinix protects its reputation for excellence throughout its Fortune 500 customer base

TESTIMONIAL

“I can’t stress enough the operational advantage of true ROADM over traditional DWDM systems,” comments Lane Patterson, director of research and development for Equinix. “In all aspects, from tunable lasers, pluggable optics, self-adjusting power equalization, and end-to-end GMPLS-enabled service provisioning, we found the Meriton 6400 OTP to exceed our demanding needs, supporting carrier-class operation with minimal operations and support resources.”

Figure 1 — Equinix’s Silicon Valley Internet Broadband Exchange (IBX) – connecting more than 200 networks serving over 90% of the world’s Internet networks.



ABOUT MERITON NETWORKS INC.

Meriton Networks Inc. has developed the industry’s first unified end-to-end Agile Optical Networking (AON) architecture, a crucial element for carrier and enterprise migration to next-generation IP services networks. A flexible, scalable, future proof infrastructure capable of multi-service, multi-topology support, the Meriton AON architecture equips telecommunications networks with the capabilities needed for the Broadband Revolution, including rapid service deployment with one-time node engineering and zero-touch, automated provisioning under a unified control plane. With metro access, metro core and regional extension products, all fully managed by a best-in-class suite of network planning and management tools, Meriton Networks gives network operators a single source for the rapid, cost-effective delivery of high-speed services.

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