



Data Storage Solutions

NETWORK SOLUTIONS FOR RAPIDLY GROWING DATA CENTER APPLICATIONS

BUSINESS CHALLENGE

Banks, insurance, investment, and data handling companies alike are experiencing staggering growth in their data storage requirements. Drivers include:

- Increasingly stringent internal policies to protect against potential litigation and future audits
- Legislation such as the *Sarbanes-Oxley* — enforcing the back-up of vast amounts of data such as email

Withdrawals and deposits from Automatic Teller Machines, processing and confirming deposits, interest collection, emails, back up systems — all need to be instantaneously transported and archived. Many enterprises are finding that outsourcing their network requirements is proving to be an inadequate strategy for addressing these burgeoning storage needs.

Key issues include the ability for a service provider to:

- Add bandwidth capacity quickly and without disruption to critical normal network services
- Periodic network failures including breaks in the fiber — and the difficulty of isolating the fault and restoring services
- The ability for the service provider to ensure that the bit error rate on connections meet quality of service levels
- And many other network infrastructure issues

These issues have caused many enterprises to re-examine their business strategy for dealing with the transport of critical storage data across their network. They realize:

- The network has become a **mission critical function**
- An outsourced, managed service relationship has become too expensive, risky, and ultimately unreliable

KEY REQUIREMENTS

Required is a reliable, responsive, faster transport solution that can be built, owned and managed by the enterprise — one with a demonstrated lower total cost of ownership than is possible through a less flexible and responsive outsourced option.

THE MERITON SOLUTION

Meriton Networks provides a reliable, cost effective solution that enables the enterprise to easily build and run their own optical network — and deal effectively with the business challenges resulting from an outsourced, leased arrangement with a service provider. The Meriton solution can:

- Readily scale to meet a range of metro and regional data transport needs
- Address the need for fiber relief, greater control and reliability, and realize dramatic reductions in network costs

The Meriton solution features:

- Simplified engineering, provisioning, and troubleshooting
- Non-disruptive, scalable growth — from **100 Mb/s to 320 Gb/s of bandwidth**
- An award winning portfolio of **next generation wavelength networking products**

UNIQUE BENEFITS REALIZED

- Non-disruptive bridge and roll for moving wavelengths to an alternative fiber pair in our 7200 OSP platform
- A fully automated optical layer and GMPLS control plane in our 6400 OTP for fast and easy provisioning
- Software-controlled remote loop-backs throughout the network — simplifying turn up and trouble-shooting
- Simplified engineering through 3R regeneration
- Non-blocking, fully reconfigurable add/drop support for easy engineering
- Multi-service SAN transponder cards for high service aggregation density and support of Fiber Channel and FICON (1 and 2G), and ESCON
- Multi-protocol, multi-rate transceivers — resulting in fewer truck rolls and part change outs when services are upgraded or changed for a specific site

As a result of these unique, operationally friendly features a Meriton network solution:

- Makes turn-up, and trouble shooting the network very straightforward
- Often requires a small contingent of technical staff for operational support

RELATED PRODUCTS



7200 OSP 6400 OTP 8600 NMS 9500 NPT 3300 OSM 1455 OFA 8300 EMS



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