



# Optical Regional Backbone

## STRETCHING YOUR BACKBONE WITHOUT HURTING YOUR BUDGET

### BUSINESS CHALLENGE

Your customers want it all—voice, video and data—and they want it now. When it comes to quality, they expect the same as or better than what they're used to from their current phone line and broadband services. There's no doubt that fiber optic technology is the right solution for high-speed connectivity, but your backbone has had all it can take. Stretched to its current limits, there's no more room for bandwidth-hungry services, let alone more customers. Limitations on the network and the customer volume also mean limitations on your bottom line. You need a solution to support more capacity and more users, but you don't want to force your operators to learn all new processes, and you're certainly not willing to empty your wallet for it.

### KEY REQUIREMENTS

Here's what you need to get more customers on board quickly with revenue-generating services:

- Scalability to meet the demand of users drawn to high-speed connectivity
- Flexibility to increase bandwidth in step with the growth of your customer base and their application needs
- Fast, flexible and reliable service provisioning to get customers up and running now and speed time to revenue
- A simple, straightforward architecture that is easy to maintain and keeps OPEX under control

### THE MERITON SOLUTION

The Meriton 7200 Optical Switching Platform (OSP) and 6400 Optical Transport Platform (OTP) brings all the key transport functions your network needs into a single piece of equipment, saving you money and space in the central office. Need to expand to add users in other cities across the region? Based on the distance, you can make your choice and extend your 7200 OSP backbone up to 600 km with the Meriton 1450 Optical Fiber Amplifier (OFA) series. If your network will benefit from a reconfigurable OADM (ROADM) system, the 6400 OTP will allow networks with up to 1000 km and up to 16 nodes without regeneration. Adding bandwidth capacity or complete nodes is a simple process. The Meriton 8600 Network Management System (NMS) and Meriton 8300/8500 Element Management Systems (EMS) let your operators simply point-and-click to manage the network throughout the entire region from a central location.

### TOP BENEFITS REALIZED

- **Scalability** – no matter what your initial configuration, adding wavelengths to accommodate new users and applications is as easy as plugging in another optical interface card.
- **Flexibility** – go from eight wavelengths or fewer to 32 or more for only a small incremental cost. The 7200 OSP provides twice the capacity of an OC-192 upgrade for no extra cost.
- **Modular growth** – network growth is easy with the 6400 OTP. An initial system can be configured for 8 wavelengths, and can grow to 32 wavelengths, all in a simple and service non-disruptive manner.
- **Fast provisioning** – moves, adds and changes are easy—and the network stays up and running the entire time. Services can be turned on quickly without network outages, which makes for happy, loyal customers.
- **Operational simplicity** – the Meriton solution provides a transparent, scalable network infrastructure that simplifies your optical network. A simpler network means lower OPEX.

## RELATED PRODUCTS



7200 OSP

6400 OTP

8600 NMS

9500 NPT

3300 OSM

1455 OFA

8300 EMS



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