

PRODUCT BRIEF

AT&T OPT-E-MAN[®] Switched Ethernet Solution

Today's Customer networks require high throughput and availability. In addition, these networks also need to handle the peaks and valleys associated with an always-fluctuating data flow. Organizations are moving from single-location headquarters to market-centered branches and offices. These key changes in how networks are utilized have given rise to one of the most reliable, scalable and ubiquitous service offerings available today – Optical Ethernet Metropolitan Area Network. OPT-E-MAN offers the many benefits of switched Ethernet transport technology and it's fully supported and includes design, installation, management and monitoring.

Scalable, Convenient and Cost-Effective Optical Networking

Today's networks operate data-intensive applications such as data mining, knowledge management and customer relations management programs, to name a few. These types of applications and others demand a bandwidth that is not only reliable but also scalable. Switched Ethernet is a technology

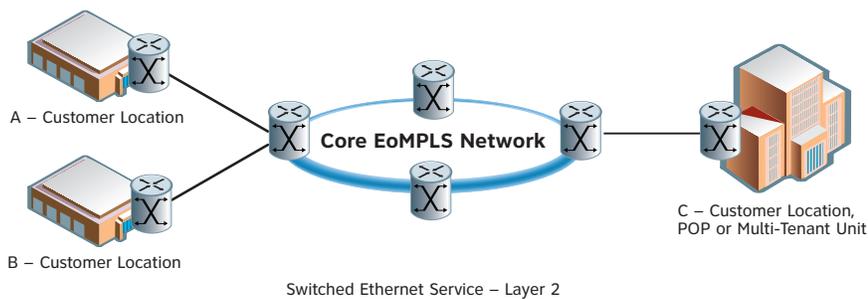
that is rapidly gaining popularity due to its simple, more cost-effective network connectivity options. With OPT-E-MAN, information can travel at speeds of 5 Mbps to 1 Gbps to multiple locations.

Scale to Fit Your Needs

An ability to increase bandwidth as needed creates the type of flexibility that can be applied to almost any business' or organization's operations. With OPT-E-MAN, you can add new locations and easily increase the capacity of bandwidth between existing locations. For example, OPT-E-MAN can help you handle:

- Changes in Business Patterns: Change in the number of employees, applications, business conditions, need for data mirroring or database replication
- Events: Back-up service, disaster recovery, company expansion
- High-Volume Traffic: Video on demand, distance learning, banking, Internet, VoIP

OPT-E-MAN Network



BENEFITS

- Scalable
- Simplified network architecture
- Cost-effective
- Network flexibility
- Reliable and secure
- Superior performance
- Quality of service

FEATURES

- Service Level Objectives and Service Level Agreements included
 - MPLS Network Core
 - Best Effort, Bronze or Silver classes of service
 - Access to Internet or VPN for long-haul connections
 - Point to Point, Point to Multipoint and Any to Any connectivity available
 - 5 Mbps up to 1 Gbps
 - MEF Certified
 - Cisco QoS Awarded and Certified
 - Available in the following states*: California, Nevada, Kansas, Oklahoma, Arkansas, Texas, Missouri, Wisconsin, Illinois, Indiana, Michigan, Ohio and Connecticut
- *Where facilities permit



Simplify Your Network

OPT-E-MAN also enables you to simplify connections as well as your network operations. By connecting via Ethernet, incorporating a separate protocol or interface isn't required. A single handoff adds convenience and simplicity to the network architecture. Over 98% of corporate networks use Ethernet and OPT-E-MAN allows you to maintain connections without introducing new or additional protocols. We'll install and maintain all equipment needed to provide direct connectivity to your existing equipment using standard connectors. As a result, it appears as if all equipment on your network is in the same building or campus – the transfer of data across the metro area becomes completely transparent. Plus, we'll monitor the network 24x7, providing a fully maintained and managed network solution, simplifying both network management and administration.

Less Equipment, Less Personnel – More Savings

OPT-E-MAN is cost effective because it requires fewer physical interfaces, servers and routers to build a network. Service is plug-

and-play with most existing equipment and utilizes standard interfaces to provide direct compatibility to your legacy equipment.

You simply connect to the network with a router, or switch. Further cost savings are realized from ports. For example, a 10/100 Mbps Ethernet port on a router is 10 to 20 times less expensive than a Sonet, OC-3 Private Line port. In addition, because OPT-E-MAN is fully managed, there's no need to hire additional IT personnel, saving labor costs.

A Flexible, Reliable and Secure Network

Higher reliability and security is made possible by 24x7 monitoring. In the past, customers who utilized traditional non-managed services incurred the cost in dollars and labor hours in purchasing, maintaining and managing their own networks. Now, with our managed services, there's no costly software or equipment to own and/or replace, no engineers to hire and no continuous training requirements.

Superior Performance With Quality Service

OPT-E-MAN provides bandwidth reliability through the Metropolitan Area Network

at the native speed of your applications. This becomes the ultimate solution to ease congestion in the Wide Area Network. OPT-E-MAN provides robust, high-speed connectivity that's intelligent and productive. Plus, the Service Level Agreements (SLAs) that we offer will ensure top-notch service and reliability. The AT&T family of companies represents a proven brand with decades of experience in the communications industry. Our engineers have earned more than 4,300 advanced industry certifications from leading equipment makers and industry associations. AT&T Laboratories, Inc. – some 300 scientists strong – tests equipment and offerings, making sure they're ready for your network. You'll feel confident not only in the quality of your network but also in the performance of the services.

