

Overview

Metro Ethernet Access Solutions

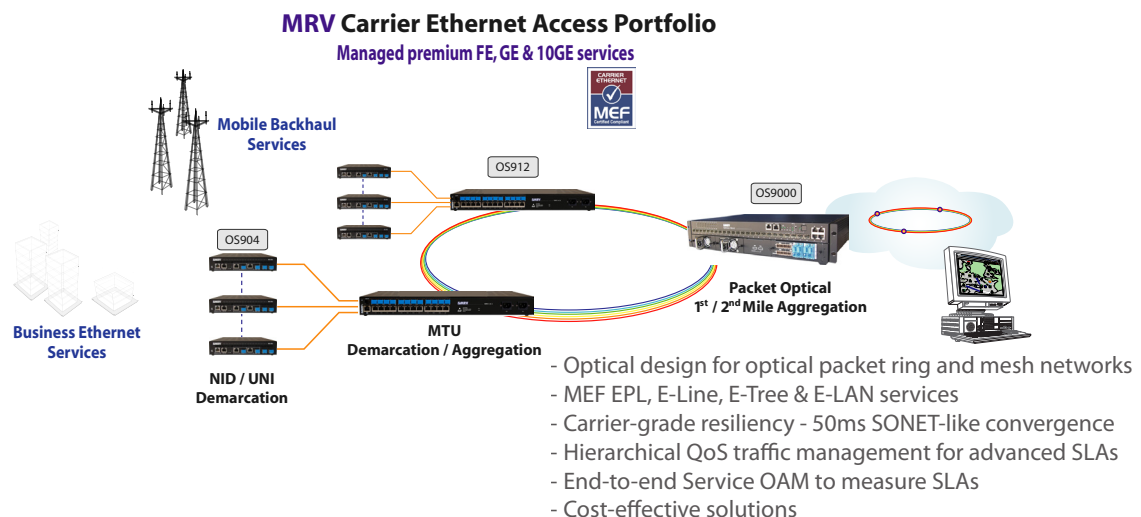


OptiSwitch® Metro Ethernet Series

MRV's OptiSwitch® family is an award-winning line of compact Carrier Ethernet access platforms that range from the OS9000 Metro Demarcation series to the OS9000 Metro Aggregation series. OptiSwitch products provide service providers with a full suite of carrier-grade Ethernet services along with high-availability, enhanced quality of services, security, TDM Circuit Emulation and Ethernet Operation, Administration and Maintenance (OAM) support. The uniqueness of the full suite of OAM tools creates flexible service awareness and rigid SLAs. OptiSwitch products meet IEEE, ITU and MEF standards, offering complete control to simplify deployment and management, while maintaining full interoperability and visibility into customer and provider networks.

OptiSwitch® Carrier Ethernet Solution Highlights:

- OptiSwitch® 9000 series Carrier Ethernet 1st Mile Aggregation
- OptiSwitch® 900 series Carrier Ethernet Demarcation
- More than 10 years of field-proven Metro Ethernet deployments in carrier networks worldwide
 - Future-proof consistency and modular feature enhancements
 - Proven stability and interoperability
 - Standards-based implementations
- Supported MEF Services:
 - EPL, E-Line, E-Tree and E-LAN
 - Point-to-point, point-to-multipoint and multipoint-to-multipoint
 - NID / UNI / E-NNI specifications
- Carrier-class end-to-end OAM tools to measure SLA



MRV unified Master-OS control plane for Metro-E services enables carrier-grade simplified operation and flexibility with advanced features such as Layer 2, Layer 3, MPLS, Ethernet OAM, security and MEF services.



Overview

For the service providers, the OAM that is provided by demarcation and aggregation devices determines to a significant extent the metrics that can be used to establish the SLA with a business subscriber. MRV incorporates enhanced standards compliant OAM and gives the service provider the ability to monitor the network, provision services, and promptly and remotely determine the location of faults.

MRV Metro Solution Benefits

MRV offers only standard based features to enable networking interoperability with other vendors. MRV's OptiSwitch® meets IEEE, IETF, ITU and MEF standards, offering complete control to simplify deployment and management, while maintaining full interoperability and guaranteed Service Level Agreements (SLAs).

Interoperability Commitment

MRV demonstrated multi-vendor interoperability at the following public events:

- SuperCOMM Interoperability event - Chicago, June 2004
- MPLS forum Layer 2 VPNs - Paris, February 2005
- Converged Network Services - Paris, Feb 2006
- MPLS Interoperability event - Paris, February 2007
- Carrier Ethernet event - Geneva, September 2007
- MPLS congress - Paris, February 2008
- Mobile Backhaul - Mobile World congress - Barcelona, February 2008

The events were organized and facilitated by the EANTC (European Advanced Network Test Center) and the University of New Hampshire Interoperability laboratories (UNH-IOL).

Technology Innovation

With more than 20 years of technology innovation, MRV has always been at the forefront of innovation in demarcation, aggregation and transport platforms with some of the fastest, most feature-rich offerings on the market. MRV invests significant resources as an active member of standardization organizations and industry forums to expand in-house technology development from components to operating system level for converged optical packet access networks.

Summary

MRV provides one of the broadest ranges of Optical Access solutions for Ethernet service demarcation, 1st and 2nd mile optical aggregation. Such a comprehensive portfolio offers the best breed of choices to any carrier network and delivers true versatility and a standards-based solution, meeting the most demanding network scenarios while offering a virtually unlimited range of network topologies from which to choose.

For more than 20 years, MRV Communications has been providing Optical Access solutions to carriers, service providers and enterprise customers worldwide, annual revenues presently exceeding \$500M. With approximately 1 million ports shipped, our Ethernet services have been deployed in over 500 customer networks along the years and we are actively installed in hundreds of production networks worldwide.

MRV has more than 50 offices throughout the world. Addresses, phone numbers and fax numbers are listed at www.mrv.com. Please e-mail us at sales@mrv.com or call us for assistance.

MRV Los Angeles
20415 Nordhoff St.
Chatsworth, CA 91311
800-338-5316
818-773-0900

MRV Boston
295 Foster St.
Littleton, MA 01460
800-338-5316
978-952-4700

MRV International
Business Park Moerfelden
Waldeckerstrasse 13
64546 Moerfelden-Walldorf
Germany
Tel. (49) 6105/2070
Fax (49) 6105/207-100

All statements, technical information and recommendations related to the products herein are based upon information believed to be reliable or accurate. However, the accuracy or completeness thereof is not guaranteed, and no responsibility is assumed for any inaccuracies. Please contact MRV Communications for more information. MRV Communications and the MRV Communications logo are trademarks of MRV Communications, Inc. Other trademarks are the property of their respective holders.