



Downloaded on 10/07/2013
Released on 22/01/2013 09:44

22/01/2013 09:44

Fujitsu, Motorola Mobility Announce Interoperable GPON-WDM Solution for the United States Department of Defense

Joint Interoperability Test Command-certified platforms bring unparalleled security, reliability and efficiency to government customers

RICHARDSON, Texas & HORSHAM, Pa. – [Fujitsu](#) and [Motorola Mobility](#) today announced the successful testing of an interoperable GPON-WDM (Gigabit Passive Optical Networking – Wavelength Division Multiplexing) solution for the United States Department of Defense (DoD). The solution features Fujitsu's [FLASHWAVE® 9500](#) Packet Optical Networking Platform (P-ONP) and Motorola's [Passive Optical LAN \(POL\) solution](#). The two Joint Interoperability Test Command (JITC)-certified platforms demonstrated seamless integration, providing the Department of Defense (DoD) and other federal agencies with a new optical network solution that meets the government's high standards of security, reliability, performance and efficiency.

Motorola's Passive Optical LAN (POL) greatly simplifies enterprise network deployment, operation and management. POL is based on proven GPON technology that delivers enhanced security, carrier-class reliability and significant power savings. Motorola's POL solution also delivers tremendous cost savings, with up to a 55 percent reduction in capital and up to a 75 percent reduction in overall operational costs, for combined Total Cost of Ownership (TCO) savings of up to 65 percent over traditional LAN architectures. Fujitsu's FLASHWAVE 9500 Packet ONP is a standards-based solution that integrates key advanced networking technologies including, centralized L2 switching, ROADM, and transmission up to 100G. The Fujitsu and Motorola platforms demonstrate data sharing with minimal latency or jitter effects.

"This collaboration with Motorola is the latest example of Fujitsu's commitment to meeting the communications needs of the Federal Government," said Jeana Cunningham, vice president of Federal Sales, Fujitsu Network Communications. "Over the years, we've worked to attain U.S. government certifications and have placed many Fujitsu technologies on the DoD's Unified Capabilities Approved Products List. We will continue to work to meet the government's need for ultra-reliable and secure bandwidth."

"Motorola is committed to developing high-performing solutions for government customers that address the evolving demands on their telecommunications networks," said Joe Cozzolino, senior vice president and general manager, of Network Infrastructure Solutions for Motorola. "We're bringing the Department of Defense a solution that will greatly improve security and reliability as well as simplify network deployment, operation and management. In addition, our POL technology delivers impressive cost savings, freeing up budget for additional investments."

The FLASHWAVE 9500 Packet ONP supports [Connection-Oriented Ethernet \(COE\)](#), ROADM and SONET/SDH. By combining circuit and packet-based switching into a single platform, government organizations can transition from a legacy infrastructure to a converged core that transports TDM alongside new GPON traffic. The simultaneous support for multiple traffic types allows government agencies to leverage existing technology investments while migrating to a next generation network infrastructure.

With the addition of Fujitsu's 100G Transponder and 100G Muxponder cards, the FLASHWAVE 9500 Packet ONP further expands network capacity, improves spectral efficiency and lowers the cost per bit of optical transport. With up to 88 channels, the FLASHWAVE 9500 Packet ONP is capable of providing up to 8.8 Terabits of network capacity.

Motorola's POL solution is a highly cost-effective, secure and energy-efficient alternative compared to traditional enterprise LAN architectures. POL is a fiber-based enterprise LAN solution that provides customers with a highly simplified next-generation LAN architecture designed to significantly reduce implementation and management costs. POL can be extended directly from the datacenter to the desktop at a distance of up to 20 kilometers, enabling enterprises to eliminate costs tied to intermittent distribution switching, IDF closets, power, cooling and battery backup.

About Fujitsu

Fujitsu is the leading Japanese information and communication technology (ICT) company offering a full range of technology products, solutions and services. Over 170,000 Fujitsu people support customers in more than 100 countries. We use our experience and the power of ICT to shape the future of society with our customers. Fujitsu Limited (TSE:6702) reported consolidated revenues of 4.5 trillion yen (US\$54 billion) for the fiscal year ended March 31, 2012. For more information, please see <http://www.fujitsu.com>.

About Fujitsu Network Communications

Fujitsu Network Communications Inc., headquartered in Richardson, Texas, is an innovator in Connection-Oriented Ethernet and optical transport technologies. A market leader in packet optical networking solutions, WDM and SONET, Fujitsu offers a broad portfolio of multivendor network services as well as end-to-end solutions for design, implementation, migration, support and management of optical networks. For seven consecutive years Fujitsu has been named the U.S. photonics patent leader, and is the only major optical networking vendor to manufacture its own equipment in North America. Fujitsu has over 500,000 network elements deployed by major North American carriers across the US, Canada, Europe, and Asia. For more information, please see: <http://us.fujitsu.com/telecom>.

About Motorola Mobility

Motorola Mobility, owned by Google, fuses innovative technology with human insights to create experiences that simplify, connect and enrich people's lives. Our portfolio includes converged mobile devices such as smartphones and tablets; wireless accessories; end-to-end video and data delivery; and management solutions, including set-tops and data-access devices. For more information, visit motorola.com/mobility.