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ECI TELECOM AND MULTIPHY BRING LOW-COST 100G TRANSPORT SOLUTION FOR THE METRO MARKET

--Enabling a cost-effective 100G transceiver for metro networks, the solution will be showcased at OFC/NFOEC 2012--

OFC/NFOEC Tradeshow – Los Angeles, California, USA - March 5, 2012 - [ECI Telecom](#), a global provider of next-generation network solutions, and [MultiPhy](#), Ltd, a global leader in DSP-based high bandwidth CMOS communications semiconductors, today announced the development of a low-cost, metro 100G transport solution. This solution will be showcased in MultiPhy's booth at OFC/NFOEC 2012(booth number 2163).

HIGHLIGHTS

- With financial support provided by the Israeli Office of the Chief Scientist (OCS) through its Magneton program, ECI and MultiPhy have been working on a low-cost 100G initiative for the metro market, based on a Ben-Gurion University research project.
- Driven by the continued growth of video streaming and data consumption in the metro zones, next-generation metro transport network solutions must be bandwidth and cost efficient.
- Available 100G standardized coherent solutions are considered too expensive for the metro domain, given metro ranges and WDM wavelength availability. The low-cost 100G solution developed by ECI and MultiPhy takes advantage of unique conditions in metro links, lowering significantly the solution cost.

THE SOLUTION

With its high-performance A/D front end and “fastest in class” MLSE DSP architecture, the MultiPhy MP1100Q receiver provides best-in-class capability for metro 100G links by utilizing a Direct Detect transmission methodology that fits in seamlessly with existing Metropolitan Optical Networks. The MP1100Q's unique capabilities allow for the design of optical transport modules using low-cost, reduced bandwidth optical subcomponents, resulting in very cost-effective solutions. This technology enables the transport of 100G signals for hundreds of kilometers in metro WDM networks over 4 lanes, 28Gbps each, using 4x10G optical transceivers. Each lane is transmitted over an independent WDM wavelength or over 25GHz sub-wavelength, allocated in a single 100GHz wavelength or a dual 50GHz wavelength.

MultiPhy will showcase the ECI 168PIN MSA design utilizing the MP1100Q receiver at OFC/NFOEC, March 5-8 in Los Angeles, California, in booth #2163. Please contact Neal Neslusan at neal.neslusan@multi-phy.com, +1 978 302 5700 to arrange for a booth visit.



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EXECUTIVE PERSPECTIVE

"While attention today is focused on 100G long haul deployments, the metro WDM/packet-optical market is still the fastest growing market. 100G non-coherent will be key for large metro upgrades starting next year."

Eve Griliches, Principle Analyst, ACG Research

"As service providers look for a cost-effective way to expand metro capacity over the coming years, they will demand solutions that easily fit into their established network architecture. Our 168PIN MSA solution, empowered by the MultiPhy MP1100Q receiver, addresses providers' need for low cost, high performance and low power 100G metro transport markets. That's the premise of our 1Net framework for addressing our customers' challenges in their day-to-day operations and strategic considerations."

Shai Stein, Chief Technology Officer, ECI Telecom

"The partnership between ECI and MultiPhy on this project was a key factor in our success. The cutting edge MLSE DSP technology that we have realized in the MP1100Q receiver, combined with ECI's optical transport system leadership, enables a best-in-class, low-cost 100G metro solution in the marketplace."

Avi Shabtai, CEO, MultiPhy Ltd.

ABOUT MULTIPHY

MultiPhy is a fabless semiconductor company that provides digital-signal-processing based integrated circuits for high speed communications. Founded in 2007 as a spin-off of Ben-Gurion University, the company develops 40Gb/s and 100Gb/s CMOS chips for direct detect and coherent transmission solutions, leading in the technology paradigm shift made necessary by the dramatic increase in network traffic. MultiPhy has world-class expertise in communications theory, optical communications, algorithms development, as well as analog, digital and mixed signal CMOS VLSI design. The company's differentiated patent pending technology enables the development of cost effective, low power, high-performance solutions at 40Gb/s and 100Gb/s as well as one Tb/s coherent OFDM technology for next-generation networks. For more information, please visit www.multi-phy.com.

ABOUT ECI TELECOM

ECI Telecom delivers innovative communications platforms to carriers and service providers worldwide. ECI provides efficient platforms and solutions that enable customers to rapidly deploy cost-effective, revenue-generating services. Founded in 1961, Israel-based ECI has consistently delivered customer-focused networking solutions to the world's largest carriers. The Company is also a market leader in many emerging markets. ECI provides scalable broadband access, transport and data networking infrastructure that provides the foundation for the communications of tomorrow, including next-generation voice, IPTV, mobility and other business solutions. For more information, please visit www.ecitele.com.

ABOUT BEN GURION UNIVERSITY

Ben-Gurion University is a major center for teaching and research, with 20,000 students enrolled in the faculties of Engineering Sciences, Health Sciences, Natural Sciences, Humanities and Social Sciences, the School of Management and the Kreitman School of Advanced Graduate Studies. The scientific community



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at Ben-Gurion University numbers over 1400 researchers, including about 800 tenured faculty appointments and over 300 medical clinicians from the Soroka University Medical Center.

ABOUT THE MAGNETON PROGRAM

The MAGNETON Program, in the Office of the Chief Scientist of the Ministry of Industry, Trade & Labor, promotes technology transfer from academia to industry via mutual cooperation between individual companies and specific academic research programs.

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Certain statements contained in this release may contain forward-looking information with respect to plans, projections or future performance of the Company. By their nature, forward-looking statements involve certain risks and uncertainties including, but not limited to, product and market acceptance risks, the impact of competitive pricing, product development, commercialization and technological difficulties as well as other risks.

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