One Laptop per Child Redefine Tablet Computing for Students Worldwide

Cambridge, Mass. and Santa Clara, Calif., -- One Laptop per Child (OLPC), a global organization whose mission is to help provide every child in the world access to a modern education, and Marvell, a worldwide leader in integrated silicon solutions, have agreed to jointly develop a family of next-generation OLPC XO tablet computers based on the Marvell® Moby reference design.

This new partnership will provide designs and technologies to enable a range of new educational tablets, delivered by OLPC and other education industry leaders, aimed at schools in both the U.S. and developing markets. Marvell is also announcing today it has launched Mobylize, a campaign aimed at improving technology adoption in America’s classrooms.

The new family of XO tablets will incorporate elements and new capabilities based on feedback from the nearly 2 million children and families around the world who use the current XO laptop. The XO tablet, for example, will require approximately one watt of power to operate (compared to about 5 watts necessary for the current XO laptop). The XO tablet will also feature a multi-lingual soft keyboard with touch feedback, enabling it to serve millions more children who speak virtually any language anywhere in the world.

The device is also decidedly “constructionist” in nature. By design, it combines hardware and software to deliver a platform that will enable educators, students and families around the world to create their own content, and learn to read, write, and create their own education programs and share all of these experiences via a mesh network model. The device will also feature an application to directly access more than 2 million free books available across the Internet.

“While devices like eReaders and current tablets are terrific literary, media and entertainment platforms, they don’t meet the needs of an educational model based on making things, versus just consuming them. Today’s learning environments require robust platforms for computation, content creation and experimentation - and all that at a very low cost,” said Dr. Nicholas Negroponte, Founder and Chairman of One Laptop per Child.

“Through our partnership with Marvell, OLPC will continue our focus on designing computers that enable children in the developing world to learn through collaboration, as well as providing connectivity to the world’s body of knowledge.”

“Marvell has made a long-term commitment to improving education and inspiring a revolution in the application of technology in the classroom. The Moby tablet platform - and our partnership with OLPC - represents our joint passion and commitment to give students the power to learn, create, connect and collaborate in

entirely new ways," said Weili Dai, Marvell's Co-founder and Vice President and General Manager of the Consumer and Computing Business Unit.

"Marvell's cutting edge technology - including live content, high quality video (1080p full-HD encode and decode), high performance 3D graphics, Flash 10 Internet and two-way teleconferencing - will fundamentally improve the way students learn by giving them more efficient, relevant - even fun tools to use," Dai continued.

"Education is the most pressing social and economic issue facing America. I believe the Marvell Moby tablet can ignite a life-long passion for learning in all students everywhere. I am immensely proud of the capability of our Moby tablet and I am extremely honored to partner with the inventor of the netbook market for education, Dr. Nicholas Negroponte. I applaud his leadership, vision, passion and together we will make the world a better place."

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