January 9, 2012

Marvell Showcases 'Classroom 3.0' Education Technology at CES 2012

ARMADA powered SMILE Plug and One Laptop per Child tablet transform traditional classroom activities with interactive, multimedia curricula for more engaging learning experience

SANTA CLARA, Calif., and LAS VEGAS, Jan. 9, 2012 /PRNewswire/ -- Marvell (NASDAQ: MRVL), a worldwide leader in integrated silicon solutions, today announced new education solutions designed to enable "Classroom 3.0," a connected, secure learning environment that simplifies and speeds the deployment of technology to students around the world.

Marvell's collaboration with Stanford University has resulted in the Marvell® SMILE Plug, the first plug development kit designed to turn a traditional classroom into a highly interactive learning environment. Designed to engage students in critical reasoning and problem solving, the SMILE Plug creates a "micro cloud" within a classroom that is completely controlled by the teacher. Marvell also announced that it has extended its relationship with the One Laptop per Child Association (OPLC) on a number of new products, including the upcoming OLPC X0 3.0, a low cost, low power tablet designed for education.

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(Logo: https://photos.prnewswire.com/prnh/20100719/SF36559LOGO-b)

"Marvell is driving a revolution in the classroom with technology that improves the education experience for students and teachers around the world. We're deeply committed to improving education worldwide, and through our work with organizations like OPLC and Stanford University, we are helping to transform learning from a static one-way activity to an interactive experience brought to life with compelling content, engaging interactive multimedia and numerous new ways to collaborate," said Weili Dai, Co-founder of Marvell. "Marvell's SMILE Plug, the first ultra small server designed specifically for multi-modal curriculum delivery, combined with our affordable, easy-to-use and durable OLPC XO 3.0 tablet, are important additions to the world's classrooms. It's a matter of time before we leverage the power of Google TV and other smart screens in our daily lives to bring knowledge experts from around the globe to any local classroom."

The Marvell SMILE Plug, powered by Marvell's high-performance, low power ARMADA® 300 series SoC and Marvell Avastar™ 88W8764 Wi-Fi, creates a micro-cloud, eliminating the problem of inconsistent Internet access within a classroom and creating a safe and secure connectivity for up to 60 students. The SMILE plug also securely delivers digital content to a range of devices, including personal computers and handheld devices. Teachers and students can now tap into an unprecedented amount of open or premium digital content. The SMILE plug also allows teaches to control and run interactive classrooms with real-time feedback and analytics, deepening the learning experience.

In tandem with the Stanford Mobile Inquiry Based Learning Environment program , Marvell has developed an easy-to-manage access point for a wide array of SMILE learning applications and has created an administration API and user interface, Plugmin, which provides access to many additional SMILE programs. These tools provide teachers total control of the devices and content used within their classroom for better lesson planning and student evaluation.

Additionally, the SMILE Plug Computer features an open platform based on Arch Linux for ARM, the Plugmin administration app and the Stanford SMILE Junction Server. The SMILE Plug includes a 5V Lithium-Ion polymer battery for back-up power, making it ideal for learning environments where electrical power can be inconsistent.

Also at CES, Marvell and OLPC showcased the first prototype of the X0 3.0, a low cost, low power rugged tablet computer designed for education in emerging markets. Built on the Marvell ARMADA 618 processor and its Avastar 88W8686 wireless chip, the XO 3.0 tablet will feature unique capabilities that allow it to be charged by solar panels, hand cranks and other alternative power sources. Marvell and OLPC also announced that the XO 1.75 laptop will begin shipping in February, with initial orders benefiting education programs in Rwanda and Uruguay. For additional information on the XO 3.0 prototype or the XO 1.75 laptop, please see the related release, "Marvell and One Laptop per Child Unveil the Eagerly Anticipated XO 3.0 Tablet at CES."

Availability

The SMILE Plug will be available in spring 2012; please visit http://www.marvell.com for more information. The One Laptop per Child XO 1.75 will be available in February; please visit http://one.laptop.org/action/donate if you're interested in donating or for more information.

Marvell will also be demonstrating the its education solutions at the 2012 Consumer Electronics Show (CES) in its booth, No. 30542, located in South Hall 3 on the upper level. CES will be held Tuesday, Jan. 10 – Friday, Jan. 13, 2012, at the Las Vegas Convention Center (150 Paradise Road, Las Vegas).

About Marvell

Marvell is a world leader in the development of storage, communications, and consumer silicon solutions. Marvell's diverse product portfolio includes switching, transceiver, communications controller, wireless, and storage solutions that power the entire communications infrastructure including enterprise, metro, home, and storage networking. As used in this release, the term "Marvell" refers to Marvell Technology Group Ltd. and its subsidiaries. For more information, visit Marvell.com.

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