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Marvell Expands Andromeda Box Platform Offering and Partners with Global System and Software Manufacturers to Accelerate Development of Connected Devices

Marvell's newly introduced Andromeda Box Connect platform provides an open IoT gateway solution for OEMs and developers

SANTA CLARA, Calif. and LAS VEGAS, Jan. 5, 2016 /PRNewswire/ --

[Marvell](#) (NASDAQ:MRVL), a world leader in storage, cloud infrastructure, Internet of Things (IoT), connectivity and multimedia semiconductor solutions, today announced an addition to its family of Andromeda Box™ platforms for IoT, the Andromeda Box Connect, a scalable gateway platform with broadband access, wired and wireless networking and storage options for the rapid prototyping and development of IoT gateways and smart devices. Following [Marvell's recent launch of the Andromeda Box Edge for IoT edge applications](#), the Andromeda Box Connect is Marvell's second Andromeda Box platform made for Brillo, Google's operating system (OS) for IoT, with native support for Weave communication protocol. In addition, the Andromeda Box Connect also supports Linux OS, OpenWRT and other open software stacks.

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"Marvell's open and innovative Andromeda Box platforms are true end-to-end solutions to speed up the development of smart and connected systems for homes, cars, cities, factories, retail environments and agriculture. Built on Marvell's industry-leading multi-core ARM SoC and wired and wireless connectivity silicon technology, the new Andromeda Box Connect implements industry leading open software such as Brillo and its core services to bring the simplicity and speed of software development to hardware," said Weining Gan, Head of SEEDS Business Unit at Marvell. "We are excited to work with a network of global partners to enable the development of sophisticated connected solutions. Leveraging the proven track record, expertise and excellent system level support of Marvell's ecosystem partners, together we can provide OEMs and developers with a choice of trusted complementary products and services to develop their products."

The Andromeda Box Connect gives developers the flexibility to create and develop innovative, cost-effective and secure gateway solutions for a wide array of market segments. The new platform is built on Marvell's award-winning high performance ARMADA® 385 application processor, Marvell's 88E6141 GE switch that supports 2.5 Gigabits per second (Gbps) uplink, and Marvell's advanced Avastar® Wi-Fi 11AC, Bluetooth and 802.15.4 connectivity solution. The Andromeda Box Connect supports multiple operating systems including Brillo, Ubuntu Linux and OpenWrt, as well as communication protocols such as

Weave. The platform also enables router and gateway functions, home automation and optional private cloud service through a NAS connection.

With an open embedded OS, core services, a developer kit and developer console, device developers can choose from a variety of hardware capabilities and customization options, along with system level offerings from ecosystem partners, to quickly move from prototype to production and manage at scale with over-the-air (OTA) updates, metrics and crash reporting. A growing list of partners that have already adopted Marvell's Andromeda Box platform includes IBM, Aricent, Zonoff, Shaspa and Sol Chip.

Quotes from Selected Partners:

"IBM is excited to be participating with Marvell in delivering the next generation of innovative Internet of Things devices by providing our Informix technology for use on the Marvell Andromeda Box platform. The combination of IBM's Informix database and Marvell's Andromeda Box platform provides clients with a high performance and easily customized platform for building advanced IoT applications. We believe Marvell's proven success in supporting embedded clients, with over one billion chips shipped a year, will be enhanced by their clients' access to Informix, with its proven ability to support the most challenging IoT workloads," said Phil Francisco, Vice President, Data Management Products and Strategy, IBM Analytics Platform.

"Aricent Smart Community provides a complete solution with features including home automation, Smart Energy, Smart parking, street lighting and event notifications. Aricent's IoT Gateway software running on Marvell's Andromeda platform is one of the core elements in the Smart Community solution. It connects end devices and sensors with multiple low power wireless technology to cloud infrastructure. IoT standard protocols like oneM2M, LWM2M, CoAP, MQTT and DTLS are some of the protocols supported by Aricent's IoT Gateway. The Smart Community solution supports multiple commercially available cloud infrastructures and the solution is highly scalable to adapt to Smart city solutions," said Giri KK, Vice President, Semiconductor & Embedded System Business at Aricent. "This partnership strengthens our collaboration and commitment to bring the right solution for emerging Smart city requirements and it accelerates customer time to market for realizing next generation solutions for Smart communities and Smart cities."

"Zonoff is excited to be working with Marvell to bring best-in-class consumer IoT platform solutions to market. Running Zonoff's expanded Z1 Software Suite on Marvell's Andromeda Box hardware platform allows us to offer a fully functional Consumer IoT experience through Marvell's sales channels," said Mike Harris, CEO and Founder at Zonoff. "Marvell has been a long time partner of Zonoff and has enabled us to stay cutting edge by bringing best in class SoC performance and value to market."

"Shaspa's decision to move to the Marvell Andromeda Box platform for our Smart city solution was driven by three key factors: scalability to offer a range of gateway capabilities, quick time to market to solution deployment and, most importantly, the strong support in making an optimum design. Together with the integration of the recently launched service delivery platform and a number of Smart City pilots in place, we are now able to offer an end-to-end solution and service delivery platform for a range of market sectors, starting with a series of Smart streetlamps. Clients can start with a small-scale pilot, building and testing solutions within the Service Delivery Framework, before seamlessly scaling to full-scale projects supporting millions of sites using this platform with its industry solution templates for

areas including Smart City, Smart Building and Assisted Living," said Oliver Goh, CEO of Shaspa.

"We highly value our cooperation with Marvell, which is one of the leading communications and consumer semiconductor companies," said Dr. Shani Keysar, Sol Chip Founder & CEO. "The ability of IoT applications to operate autonomously is limited by battery lifespan. The need to replace batteries causes considerable downtime, is expensive and takes a heavy toll on the environment due to battery waste disposal. The combination of Marvell's Andromeda Box platform and Sol Chip's energy harvesting technology will enable fully autonomous applications with maintenance-free operation to improve user experience and product lifetime."

To learn more about Marvell's Andromeda Box solutions for IoT, please visit <http://www.andromedabox.org/>.

Marvell will be demonstrating its Andromeda Box solutions at CES 2016 in Marvell's suite, Level 3, Murano 3304, at The Venetian. CES is being held in Las Vegas, NV at the Las Vegas Convention and World Trade Center and the Venetian Hotel on Jan. 6–9, 2016.

About Marvell

Marvell (NASDAQ: MRVL) is a global leader in providing complete silicon solutions and Kinoma® software enabling the "Smart Life and Smart Lifestyle." From storage to cloud infrastructure, Internet of Things (IoT), connectivity and multimedia, Marvell's diverse product portfolio aligns complete platform designs with industry-leading performance, security, reliability and efficiency. At the core of the world's most powerful consumer, network and enterprise systems, Marvell empowers partners and their customers to always stand at the forefront of innovation, performance and mass appeal. By providing people around the world with mobility and ease of access to services adding value to their social, personal and work lives, Marvell is committed to enhancing the human experience.

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