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Marvell Continues Leadership in IoT with Comprehensive, Best-In-Class Product Portfolio and Industry Partners

Global customers and partners are leveraging Marvell's EZ-Connect family of wireless microcontroller products and Marvell's rich Avastar wireless connectivity product portfolio for numerous market segments including connected home, wearables, automotive and industrial

SANTA CLARA, Calif., Sept. 21, 2015 /PRNewswire/ -- Marvell (NASDAQ: MRVL) — a worldwide leader in providing complete silicon solutions from mobile communications to storage, Internet of Things (IoT), cloud infrastructure, digital entertainment, in-home content delivery and Kinoma® software enabling the "Smart Life and Smart Lifestyle"— today announced an enhanced Marvell® EZ-Connect family of Wireless Microcontroller system-on-chips (SoC) that includes an expanded software offering and a growing ecosystem of partners providing complementary products and services. The Marvell EZ-Connect Wireless Microcontroller products offer a complete platform solution to customers by delivering the tools and expertise to help them develop more cost effective solutions with reduced time to market.

Building on years of experience in embedded computing and wireless networking, Marvell provides comprehensive wireless connectivity portfolio spanning from Wi-Fi 11n 1x1 to 11ac 4x4 MU-MIMO, along with other wireless technologies such as Bluetooth, GNSS, NFC, and ZigBee-targeting smart home, wearables, mobile, computing, consumer electronics, video, automotive, industrial and enterprise markets. The IoT market will enable new features and new ways of leveraging embedded computing and connectivity for consumers, industry and enterprises. Earlier this year, Marvell announced 88W8997, the industry's first 28nm Wi-Fi 11ac 2x2 Wave-2 and Bluetooth combo product. 88W8997 unlocks innovative use cases and peer-to-peer applications by taking wireless connectivity to the next level with enhanced radio performance, lowest power consumption, and high level of integration, as well as new capabilities such as Wi-Fi Aware, precise indoor location and spectral analysis.

"Our enhanced EZ-Connect family of products and comprehensive portfolio of Wi-Fi solutions, reflects a significant advancement for the entire IoT market and we are proud to provide the expertise and tools to allow our customers to easily develop and bring to market today's leading smart devices," said Philip Poulidis, Vice President and General Manager, Wireless and Internet of Things Business Units at Marvell. "We're proud to power the most innovative networked products throughout multiple industries and will continue providing high-quality, low-power and cost-efficient solutions to drive IoT forward."

The 88MW300/302 Wi-Fi Microcontroller SoC, the flagship chip in the EZ-Connect family, has been available since early this year and has already been adopted by leading global OEMs to develop a broad range of IoT products including: White Goods, Air-Conditioners,

Thermostats, CO/Smoke Detectors, Toys, Wireless Storage, HomeKit accessories, and other Smart-Home products. The first OEM products are already in the market and many new products are expected to launch in the coming months. Marvell has also partnered with leading smart-home platforms including previously announced partnerships with Apple's HomeKit and Xiaomi's Smart-Home solution.

The 88MW300/302 Wi-Fi Microcontroller SoC is supported by a Software Development Kit that includes tools and documentation to help rapidly engineer connected devices, allowing developers to focus on the unique features, services, and applications of their IoT product. In addition to programming in C/C++, developers can script applications in JavaScript using KinomaJS, a comprehensive and open source JavaScript 6th Edition runtime optimized for embedded microcontroller class products.

Marvell also announced today a growing ecosystem of partners including IoT Cloud platform providers, wireless module suppliers, and engineering design houses. Marvell's IoT ecosystem partners further facilitate and simplify the development of IoT products and provide OEMs with a choice of trusted complementary products and services to develop their products.

In addition to the 88MW300, Marvell also announced that its integrated Dual-Mode Bluetooth Microcontroller SoC (88MB300) is available today. The highly integrated SoC with a powerful Cortex-M3 microcontroller and generous 512kB SRAM along with dual-mode Bluetooth 4.2 support, enables a new class of Bluetooth enabled products and is being used by customers developing toys, IoT gateways, remote controls, wireless audio, HomeKit accessories, and automotive solutions.

Quotes from Selected Customers and Partners:

Arrayent
"Arrayent and Marvell have worked together to successfully launch a number of connected home appliances, lighting systems and thermostats. Together we power connected products for the world's most trusted brands serving consumers in Europe, North and South America, and Asia."

Ayla Networks
"Embedding Ayla agent software into Marvell Wi-Fi-based modules enables manufacturers to add cloud connectivity along with wireless connectivity for their IoT products, without doing custom coding. Working together, Ayla and Marvell will continue the innovation trajectory in the rapidly growing IoT market, helping manufacturers get to market more quickly and cost-effectively with better-performing connected products."

BlueCreation
"Marvell's EZ-Connect family of products is a cost effective, all integrated architecture with a powerful set of features. Using the 88MW300 and with the easy-to-use tools and documentation of Marvell, we managed to develop and take to production in record time a fully certified BC188 Wi-Fi module. In addition, being part of the EZ-Connect Family and Marvell's powerful ecosystem means the BC188 is part of a complete solution to customers. This is the key to success in the IoT market. We are looking forward to working with partners in this ecosystem."

Electric Imp
"When combined with Electric Imp's unique platform, the 88MW300 allows customers to

quickly build applications that are not only secure down to the chip level, but also integrate with almost any cloud service. Our cloud-hosted virtual machines partnered with these cost-efficient microcontrollers deliver reliable, scalable end to end connectivity to almost any device."

Emberlight
"The IoT industry needs wireless chipsets that find the right balance of performance and cost effectiveness. Marvell has really hit the mark with their EZ-Connect line, enabling Emberlight to create a one-of-a-kind smart lighting product."

EVRYTHNG
"We are delighted to play such an active role in the Marvell's ecosystem for smart, connected products. Powered by Marvell's leading edge silicon solutions, EVRYTHNG's world class IoT cloud gives manufacturers the fastest time to market and ability to scale to millions of deployed IoT products while maintaining performance, security and reliability."

Libre Wireless
"Marvell and Libre have joined forces in addressing the IoT and Connected Home products and applications. We are very excited to be working with Marvell on their innovative Wi-Fi/BT IoT technologies and Homekit applications. We look forward to supporting our customers with their wireless connectivity and IoT application choices, and together with Marvell, we can offer a set of cost effective and compelling Wireless Modules, SDK/Stack and Mobile App solutions to market."

Petzila
"The business implications of rapid prototyping — by virtue of Marvell's comprehensive IOT support at the SDK and platform level — are immeasurable. In under 12 months, from concept to first beta deployment; a further 7 months to full retail production, Petzila was able to take a leadership position in the burgeoning Pet Tech market. Marvell's IoT silicon offered us the most efficient and most secure footprint solution, with industry-best efficient support of the Petzi Treat Cam's complex Audio-Video IoT requirements."

Stack Lighting
"Our close collaboration with Marvell has enabled us to build an innovative product roadmap that will push the limits of conventional ZigBee implementations. Working with Marvell ZigBee and WiFi engineers, Stack Lighting is crafting solutions to meet the unique challenges associated with the deployment of distributed sensor networks in consumer and commercial environments."

Wearable Inc.
"We're excited to announce support for Marvell connectivity solutions in AirStash OS. The unique level of hardware integration in the 88MW302 combined with our IoT-native OS allowed us to make the new SanDisk Wireless Stick the smallest wireless NAS on the market, and enables a new level of performance and security at a truly unbeatable solution cost in our AirStash M03 module for storage and general connectivity applications with simultaneous video streaming, high speed USB host and device, memory-protected VM isolation, and end-to-end secure boot."

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 mobile communications to storage, Internet of Things (IoT), cloud infrastructure, digital

entertainment and in-home content delivery, 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, private and work lives, Marvell is committed to enhancing the human experience.

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