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# **Marvell Introduces Industry's Highest Performance 4x4 802.11ac Wave-2 Wi-Fi and System-on-Chip Platform for Enterprise Access Point and Smart Home Gateway Solutions**

**Marvell's AP3200 Reference Platform combines award-winning ARMADA and Avastar product lines and integrates dual concurrent 802.11 radios (4x4 802.11ac Wave-2 with 160MHz support and Multi-User, Multiple Input and Multiple Output (MU-MIMO) and 4x4 802.11n with 256 QAM support) for next-generation enterprise and home connectivity applications**

SANTA CLARA, Calif. and LAS VEGAS, Jan. 6, 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 and in-home content delivery and [Kinoma](#)® software enabling the "Smart Life and Smart Lifestyle," today introduced the industry's highest performance 4x4 802.11ac Wave-2 Wi-Fi and system-on-chip (SoC) solution, the AP3200 Reference Platform. Marvell's AP3200 Reference Platform combines the company's award-winning ARMADA® and Avastar® product lines to deliver a total solution for next-generation enterprise and home connectivity applications based on 802.11ac Wave-2, the new wireless networking standard in the 802.11 family. By integrating dual concurrent 802.11 radios and Multi-User, Multiple Input and Multiple Output (MU-MIMO), the AP3200 Reference Platform is designed to achieve best-in-class performance for low-power, fanless applications such as enterprise access points (EAPs), smart gateways, multi-room carrier-grade video distribution, small/medium business (SMB) routers, and network-attached storage (NAS) devices, among others.

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"With the advent of IoT and the growing number of wireless connected devices in the home and enterprise, robust and secure wireless connectivity is an absolute requirement," said Weili Dai, President and Co-Founder of Marvell. "In continuing our leadership position, our advanced wireless gateway platform enables our OEM and service provider customers to quickly and easily bring their products to market. Our high-performance Multi-User, Multiple Input and Multiple Output wireless gateway solution will enable a broad spectrum of applications making it possible for today's consumers to have an always-on connected device experience."

The Marvell AP3200 Reference Platform is comprised of a highly integrated dual core SoC and Marvell's 88W8964, the new member of the Avastar family, featuring dual concurrent 802.11 radios (4x4 802.11ac Wave-2 with 160MHz support and Multi-User, Multiple Input and Multiple Output (MU-MIMO) and a 4x4 802.11n with 256 QAM support). To achieve its performance, the AP3200 Reference Platform features the programmable networking and security offload capabilities of the ARMADA product line, freeing up the host CPU utilization for managing the increasing bandwidth demand for services brought by the Internet of Things (IoT) and Bring Your Own Device (BYOD) movements. The ARMADA-395 SoC also integrates a dual core host CPU running at up to 1.8GHz and embedded support for 1Gbps/2.5Gbps/10Gbps Ethernet speeds for addressing different levels of network speeds. These features, coupled with the industry's most proven Transmit Beamforming implementation, make the AP3200 Reference Platform optimized for multi-stream, carrier-grade video distribution as well as other high performance, low latency applications.

Marvell will be demonstrating its wireless solutions at CES 2015 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, 2015.

### **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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### **For Further Information Contact:**

#### **Marvell Media Relations**

Sue Kim

Director, Corporate Communications & PR

408.222.1942

[suekim@marvell.com](mailto:suekim@marvell.com)

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