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Marvell Launches Best-In-Class 802.11ac 1x1 Wireless Combo Solution with Industry's Highest Level of Integration for New Generation of Mobile Applications

The Marvell Avastar 88W8887 expands Marvell's rich 802.11ac product portfolio providing a high-performance, low-power, cost efficient solution

SANTA CLARA, Calif. and LAS VEGAS, Jan. 6, 2014 /PRNewswire/ -- [Marvell](#) (Nasdaq: MRVL) today launches best-in-class 802.11ac 1x1 wireless combo solution with industry's highest level of integration. The Marvell Avastar® 88W8887 expands Marvell's rich 802.11ac product portfolio providing a high-performance, low-power, cost efficient solution for new generations of mobile applications. This highly integrated quad-radio wireless connectivity solution enabling 802.11ac 1x1 Very High Throughput (VHT), Wireless Local Area Network (WLAN), Bluetooth 4.1 (BT), Near Field Communications (NFC) and FM Receiver in a single-chip for smartphones, tablets and other wirelessly connected devices. The Avastar 88W8887 also incorporates Power Amplifier (PA), Low Noise Amplifier (LNA) and RF switch, providing the industry's highest level of RF front end integration which allows for a cost-efficient solution with a significantly smaller footprint and reduced design complexity compared to existing available solution. Meeting the needs of the next generation applications, the Avastar 88W8887 is specifically designed to meet the speed, reliability and quality of today's Connected Lifestyle. With Marvell's industry-leading Transmit Beamforming technology, the 88W8887 provides unparalleled WLAN performance with up to 433 Mbps data rate to enable high speed data transfers, Internet browsing, as well as video streaming. This latest addition to the Avastar family also includes advanced power management features to optimize battery life, and achieves full interoperability and coexistence with LTE 4G networks.

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

"I'm very pleased to see Marvell's leadership, contribution and its very successful track record for over 10 years of delivering world class end-to-end wireless solutions for enterprise, consumer and mobile applications. Wireless connectivity is a critical pillar in supporting today's 'Connected Digital Lifestyle'," said Weili Dai, President and Co-Founder of Marvell. "The highly integrated Avastar 88W8887 not only enhances the performance of current smartphones and portable electronics, but also enables many new creative products in wearable computing, digital entertainment, automotive and Internet of Things. I am very proud of our dedicated and innovative engineers who continue to deliver industry leading technologies that improve connectivity performance and reliability, lower power consumption, and reduce system cost for a new generation of Smart consumer devices."

The Marvell Avastar 88W8887 builds upon the success of the company's industry-leading 88W8897 802.11ac MIMO plus BT 4.0 and NFC solution for higher end, and larger form factor devices including tablets, clamshells, Smart TV, as well as other wireless devices that require best performance and robust connection to multimedia content and cloud-based services. With Bluetooth Smart Ready support with latest Bluetooth 4.1 specification, the 88W8887 enables the new ecosystem of low energy Bluetooth Smart devices which can be tethered to the smartphones, and other consumer devices for new and emerging applications. In addition, the integrated NFC allows for ease-of-use including simple automatic pairing of WLAN and BT devices, as well as mobile payments and emerging eCommerce applications.

Key Features of the Marvell Avastar 88W8887:

- IEEE 802.11ac compliant, 1x1 single spatial stream with data rates up to 433 Mbps
- Integrated Power Amplifier (PA), Low Noise Amplifier (LNA) and RF switch
- Bluetooth 4.1 Dual-mode (Bluetooth Smart Ready)
- NFC connectivity technology, per NFC Forum specification, for short-range, contactless communication
- FM receive (digital decoder FM radio with RDS/RBDS)
- Industry-leading Transmit Beamforming support and Low-density parity check (LDPC) codes for robust WLAN performance

The Marvell Avastar 88W8887 will be available for sampling in late Q1 2014.

Marvell will be demonstrating its wireless connectivity solutions at CES 2014 in Marvell's booth in the Venetian Hotel, Level 3 (Murano 3304). CES is being held in Las Vegas, NV at the Las Vegas Convention and World Trade Center and the Venetian Hotel on Jan. 7 – 10, 2014.

About Marvell

Marvell (NASDAQ: MRVL) is a global leader in providing complete silicon solutions enabling the digital connected lifestyle. From mobile communications to storage, 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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