

## Marvell Expands Its Broad 4G LTE Product Portfolio With The ARMADA Mobile PXA1088LTE Pro Platform To Support The Issuing Of 4G TD-LTE Licenses In China And Operators Worldwide

**Marvell's new high-performance System-on-Chip further strengthens the company's 4G LTE commitment to accelerating mobile broadband adoption with a scalable design that supports the Ministry of Industry and Information Technology's (MIIT) initiative to award 4G TD-LTE licenses to operators in China**

SANTA CLARA, Calif., Dec. 16, 2013 /PRNewswire/ -- [Marvell](#) (NASDAQ: MRVL) today announced the expansion of its broad 4G LTE portfolio with the introduction of its high performance ARMADA® Mobile PXA1088LTE Pro unified platform to support the issuing of 4G TD-LTE licenses in China and operators worldwide. Marvell's new high-performance SoC further strengthens the company's 4G LTE commitment to accelerating mobile broadband adoption with a scalable design that supports the Ministry of Industry and Information Technology's (MIIT) initiative to [award 4G TD-LTE licenses to China's operators](#): China Mobile, China Unicom and China Telecom. The 4G era in China has just begun and users in China can enjoy the high-speed mobile broadband and wireless multimedia services. China Mobile, the world's largest mobile communication operator, has more than 700 million users. China Unicom and China Telecom will also provide 4G LTE services to meet the demand for the fast-growing mobile broadband market. Marvell plays an important role in enabling both the TDD-LTE and FDD-LTE industry chain with its leading chipsets in a scalable platform design across multiple telecom providers and helping original equipment manufacturers (OEMs) deliver high performance, affordable mobile devices to global consumers.

(Logo: [https://investor.marvell.com/image/Marvell\\_logo.jpg](https://investor.marvell.com/image/Marvell_logo.jpg))

"With the recent announcement of TD-LTE licenses in China, this further accelerates the deployment of 4G LTE. We believe 2014 will be a big year for the mass deployment of 4G LTE worldwide. Marvell's ARMADA Mobile PXA1088LTE Pro Family delivers best-in-class, world mode 4G LTE performance, enabling top global mobile carriers and the world's biggest device makers to bring to market affordable, high-performance, media-centric 4G LTE solutions worldwide," said Weili Dai, President and Co-Founder of Marvell. "I'm very proud of Marvell's talented engineering teams around the globe for their commitment, dedication and innovation in delivering industry leading solutions that drive the mass market adoption of 4G LTE and enable the Connected Lifestyle for consumers around the globe."

Based on the Marvell's certified multimode modem and power-efficient ARM Cortex A7 quad-core platform, ARMADA Mobile PXA1088LTE Family provides the OEM/ODM partners a scalable design to address different market segments for different operators' requirements with three configurations. The high performance PXA1088LTE Pro features a 1.5GHz CPU and supports up to 1080p full-HD display for a premium smart phone or tablet. Its predecessor, the Marvell PXA1088LTE platform, features a 1.2GHz CPU and supports up to 720p HD display. Both products are capable of supporting 5 communication standards including TD-LTE, FDD-LTE, HSPA+, TD-SCDMA, and EDGE/GSM for 4G LTE operators worldwide. To support China Mobile's \$1,000RMB mass market smart phones, a cost-effective solution based on the required communication standards, TD-LTE, TD-SCDMA, and EDGE/GSM, is available with a simplified RF design. OEM partners can easily expand their smart phone or tablet product line based on the PXA1088LTE family to address different market segments with different configurations to achieve Time-to-Market (TTM) and to maximize Return on Investment (ROI).

### About the Marvell ARMADA PXA1088LTE Pro

Marvell's advanced 4G LTE modem technology is field proven and certified by major global operators. As a part of the Marvell [ARMADA Mobile product family](#), the PXA1088LTE Pro is designed to support the highest levels of performance available in the industry today with Category 4 speed of 150 Mbps DL (Down Link) and support for LTE in both FDD and TDD modes. Additionally, the PXA1088LTE Pro features field proven WCDMA and TD-SCDMA modem technology with a dual-radio dual link LTE voice solution, in addition to a Circuit Switched Fallback (CSFB) voice solution, and Voice over LTE (VoLTE) based on IP Multimedia Subsystem (IMS) technology. The PXA1088LTE Pro supports LPDDR2 and DDR3L, ideal for a flexible hardware design, and it is pin-to-pin compatible with the PXA1088LTE SoC.

The Marvell PXA1088LTE Pro unified platform incorporates the performance of a quad-core ARM Cortex A7 running up to 1.5 GHz with high performance graphics nearly double the GFLOPS of its predecessor, the PXA1088. It has support for 1080p full-HD display, featuring a powerful graphics engine of up to 3.12G pixel/second fill-rate and 208M triangle/second processing capabilities. It is ideal for high-definition display technology necessary for mobile computing, social networking, cloud 3D gaming and other multimedia-rich applications. The platform includes the advanced Avastar® wireless technology with either cost-efficient IEEE802.11n or high-throughput IEEE802.11ac Wi-Fi options in a flexible mobile platform + Bluetooth 4.0 + FM

as a single-chip. The platform also includes the L2000 GNSS Hybrid Location Processor, as well as an integrated power management and audio codec IC.

For more information about the Marvell PXA1088LTE Pro, please visit

[http://www.marvell.com/communication-processors/pxa1088/assets/Marvell\\_PXA1088-LTE-PRO\\_product\\_brief.pdf](http://www.marvell.com/communication-processors/pxa1088/assets/Marvell_PXA1088-LTE-PRO_product_brief.pdf)

#### **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.

As used in this release, the term "Marvell" refers to Marvell Technology Group Ltd. and its subsidiaries. For more information, please visit [www.Marvell.com](http://www.Marvell.com).

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