

Marvell First To Launch Cost-Effective Quad-Core 64-Bit ARMADA Mobile PXA1918 R10 LTE Carrier Aggregation SoC Platform With Leading Security And Advanced Communication Features For Mass Deployment By Global Operators

Marvell's single-chip LTE CA SoC supports Category 7 LTE Modem and enables deployment of carrier aggregation by global operators

SANTA CLARA, Calif., Aug. 17, 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"— is first to launch a cost-effective R10 LTE carrier aggregation platform with 20+20MHz support, the quad-core 64-bit ARMADA® Mobile PXA1918 System-on-Chip (SoC) with leading security and advanced communication features for mass deployment by global operators. This mobile platform is designed to address the growing demands for high-performance R10 LTE Advanced CA smart phones and tablets. The ARMADA Mobile PXA1918 platform represents Marvell's latest advancements in Category 7 LTE modem technology development. Additionally, the cost-optimized mobile processor features an ARM Cortex A53 processor and supports today's most popular cellular communication standards including: TD-LTE, FDD-LTE, TD-SCDMA, WCDMA and GSM/EDGE.

"I am very proud of our 4G LTE ARMADA mobile family of SoC platforms with proven track record of support and certification with global operators in regions such as China, North America, Japan, Europe and India as well as other emerging markets. Now with the launch of our industry's first cost-effective 64-bit quad-core ARMADA Mobile PXA1918 R10 LTE platform, we can enable the deployment of carrier aggregation by global operators," said Weili Dai, President and Co-Founder of Marvell. "Enhanced performance of R10 carrier aggregation is an important technology in today's mobile industry to advance the Smart Life and Smart Lifestyle. At Marvell, it is our mission to deliver cost-optimized advanced technology for the benefit of the mobile consumer around the world."

Key features of the ARMADA Mobile PXA1918 Platform include:

- Advanced Multi-Level Security and Memory saving technology
- 5-mode support (LTE TDD/FDD, DC-HSPA+, TD-HSPA+, GSM/EDGE) with DSDS
 - R10 LTE Advanced TDD/FDD Carrier Aggregation Cat7, supporting up to 2x20MHz bandwidths with peak speed of 300Mbps downlink and 100Mbps uplink
 - DC-HSPA+ for 42Mbps downlink and 11Mbps uplink
- 64-bit Quad-core ARM Cortex A53 processor
- Advanced imaging processor supporting up to 13MP camera
- Advanced graphics
- Integrated RF transceiver, supporting both cellular and GNSS communications
- Support for latest Android OS
- Marvell's Avastar low-power wireless connectivity combo radio
 - High performance Wi-Fi 11n/ac and Bluetooth 4.2 with latest feature set, highly integrated front-end and power-efficient design
- Advanced Features: VoLTE, eMBMS, RCS, VoWiFi, IMS, field proven DSDS technology

To learn more about the ARMADA Mobile PXA1918 processors, visit: <http://www.marvell.com/communication-processors/pxa1918/>

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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