

Marvell Delivers Multicore FDD / TDD LTE, TD-SCDMA And WCDMA Mobile Platform For Global Connectivity

New reference design provides a total solution to drive high performance smartphones and tablets, delivering true global mobility for the world's consumers

BARCELONA, Spain, Feb. 28, 2012 /PRNewswire/ -- **MOBILE WORLD CONGRESS** - [Marvell](#) (Nasdaq: MRVL) today announced a complete reference design featuring high performance multicore application processing and a world modem including 4G Frequency Division Duplexing (FDD) / Time Division Duplexing (TDD) Long-Term Evolution (LTE), Time Division Synchronous Code Division Multiple Access (TD-SCDMA) and Wideband Code Division Multiple Access (WCDMA) in a single platform to provide a high performance, low cost and robust turn-key silicon solution for globally connected smartphones and tablets.

(Logo: https://investor.marvell.com/image/Marvell_logo.jpg)

"Leveraging Marvell's leadership in multicore processors and connectivity technologies, I believe now our customers around the world can utilize a single platform to deliver high-performance, low-power, cost-effective, multicore, FDD / TDD LTE smartphones and tablets to meet global consumers' increasing demands for rich and live streaming content," said Weili Dai, Co-Founder of Marvell. "Marvell is leading the pack in deploying the most cost-effective multimode LTE solution to accelerate global mass adoption for the connected lifestyle."

Comprised of the Marvell® ARMADA® PXA2128 application processor featuring Marvell's Hybrid-SMP Technology- a new symmetric multiprocessing (SMP) hardware and software architecture that addresses the conflicting low-power and high-performance needs of today's mobile processors - and its PXA1801 multimode LTE modem - which provides support for all global broadband standards including FDD and TDD LTE network, DC-HSPA+ (Dual Carrier Evolved High-Speed Packet Access) and TD-SCDMA - the integrated solution provides Marvell's customers a complete mobile platform enabling the "Connected Lifestyle."

The Marvell reference design includes the company's latest power management and Radio Frequency (RF) technologies, as well as its wireless connectivity solution comprised of Wi-Fi, Bluetooth (BT) and FM, delivering original equipment manufacturers (OEMs) a turn-key platform that improves R&D efficiency by eliminating repetitive engineering cycles and speeding overall time-to-market for new devices - a significant advantage in the fast-paced, constantly evolving mobile industry. The combination reduces the total Bill of Materials (BOM) enabling the lowest cost for this category of performance and function.

About ARMADA PXA2128

As consumers increasingly demand mobile computing devices that feature PC-class performance with all-day battery life, device manufacturers face contradictory challenges - higher performance and lower power. Marvell Hybrid-SMP Technology provides a novel solution for these challenges, optimizing systems for lower overall power consumption while simultaneously pushing per-processor performance and increasing the number of processors available on the System on Chip (SoC).

About PXA1801

The PXA 1801 is the industry's first single-chip "World Modem" for future bandwidth-hungry mobile applications and multimedia devices, featuring a thin, flexible and efficient architecture that allows fast implementation on all 3G and 4G terminals with minimal cost. Built on 40 nanometer (nm) technology, it supports next-generation LTE standards with Category 4 150 Mbps (megabits-per-second) downlink throughput and both Release 8 WCDMA HSPA+ and TD-SCDMA HSPA+.

Availability

The reference platform is currently available. Marvell will be demonstrating its mobile connectivity solutions at Mobile World Congress 2012 booth, AV55, in the Hall Avenue. Mobile World Congress is being held Feb. 27 - March 1, 2012 at Fira Montjuic in Barcelona (Av. Reina Maria Cristina, s/n, 08004).

About Marvell

Marvell (NASDAQ: MRVL) is a world leader in the development of storage, communications and consumer silicon solutions. Marvell's diverse product portfolio includes switching, transceiver, communications controller, wireless and storage solutions that power the entire communications infrastructure, including enterprise, metro, home and storage networking. As used in this release, the term "Marvell" refers to Marvell Technology Group Ltd. and its subsidiaries. For more information, visit Marvell.com.

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