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ZTE's Flagship Grand Memo LTE Smartphone Achieves China Mobile TD-LTE Certification with Marvell's Industry Leading 4G LTE Solution

Marvell's ARMADA Mobile PXA1802 4G LTE modem enables ZTE's first TD-LTE smartphone now widely available for China Mobile's nearly 760 million subscribers

SANTA CLARA, Calif. and LAS VEGAS, Jan. 6, 2014 /PRNewswire/ -- [Marvell](#) (Nasdaq: MRVL) today announced that ZTE's flagship Grand Memo LTE smartphone has achieved China Mobile TD-LTE certification with Marvell's industry leading 4G LTE solution. Marvell's ARMADA® Mobile PXA1802 4G LTE modem enables ZTE's first TD-LTE smartphone now widely available for China Mobile's nearly 760 million subscribers. Enabling high performance 4G LTE devices, the Marvell PXA1802 modem integrates Time-Division Duplexing (TDD), Frequency Division Duplexing (FDD) Long-Term Evolution (LTE), Time Division Synchronous Code Division Multiple Access (TD-SCDMA), Wideband Code Division Multiple Access (WCDMA) and Enhanced Data for the GSM Environment (EDGE) technology onto a single chip that is fully backward compatible with current China TD-SCDMA standards. It is designed to meet the needs of the next generation of mobile connectivity. As one of the first 4G smartphones to receive China's TD-LTE mobile phone network access license and to pass China Mobile's CMCC OT tests, the ZTE Grand Memo LTE (U9815) demonstrates the advantages of Marvell solutions in TD-LTE and its cooperation with ZTE.

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

"I would like to congratulate ZTE for achieving this significant milestone with China Mobile Certification. From TD-SCDMA to TD-LTE, I am very proud of our long-term collaboration with China Mobile and key OEMs in the mobile ecosystem in bringing advanced and affordable mobile solutions to the greater than 1 billion consumers in China," said Weili Dai, President and Co-Founder of Marvell. "From smartphones to tablets and mobile hotspots, Marvell's multi-mode 4G LTE solution has enabled high-quality, reliable, and secure communication across an expanding class of new Smart devices, leading the way for 2014 to become a big year for mass deployment of 4G LTE around the world."

The Marvell's PXA1802 modem has a thin and cost-efficient architecture that allows fast implementation on the latest LTE and TD-SCDMA terminals in a flexible design. The PXA1802 supports next-generation LTE standards with 3GPP LTE Release 9 Category 4 up to 150 Megabits-per-Second (Mbps) downlink speed and Release 8 TD-SCDMA High-Speed Packet Access (HSPA+). In addition to Marvell's ARMADA Mobile PXA1802 LTE modem, the

ZTE Grand Memo LTE (U9815) also features Marvell's 88RF838 transceiver, 88PG8211 and 88PM809 for its power management unit (PMU).

Previously, Marvell and ZTE had collaborated in demonstrating the world's first end-to-end voice over TD-LTE (VoTD-LTE) call on the China Mobile network.

http://www.zte.com.cn/en/press_center/news/201306/t20130607_399835.html

"We are very pleased to once again work with Marvell, our reliable strategic partner, to deliver our first TD-LTE smartphone Grand Memo LTE (U9815) in the China market. As a major global provider of end-to-end integrated LTE solutions and services, ZTE is committed to working with industry chain partners to accelerate the mass adoption of LTE devices and provide consumers with a better product experience," said Mr. Zeng Xuezhong, EVP and Head of the Mobile Devices Division at ZTE.

Key Features of the Marvell PXA1802 Modem:

- Marvell-designed processor core with fast signaling and packet processing accelerators
- Reuse of a common cellular processor software stack across the multiple air interfaces

About the Marvell PXA1802 Modem:

The Marvell PXA1802 combines Marvell's leading silicon and cellular modem expertise to enable the design of high-performance, low-power smartphone and tablet devices that can be used and supported with configurations for TDD-LTE, FDD-LTE, TD-SCDMA, WCDMA and EGPRS (Enhanced GPRS). This multimode LTE modem chipset supports the latest 3GPP LTE Release 9 standards with Category 4 throughputs of up to 150 Mbps DL (Down Link) and 50 Mbps UL (Up Link) and Release 8 TD-SCDMA HSPA+. It integrates all of 2G, 3G and 4G mobile broadband modem technologies on a single chip, fully backward compatible with current WCDMA and TD-SCDMA networks and supporting the TDD/FDD 4G LTE network, as well as Marvell's 88RF858 high-performance multimode LTE transceiver to keep a flexible RF circuit design.

Marvell will be demonstrating its mobile connectivity solutions at CES 2014 in Marvell's booth in the Venetian Hotel, Level 3 (Murano No. 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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