ZTE Announces ITU-T Based Powerline Modem Powered By Marvell

G.hn chipset delivers the ultimate streaming multimedia performance for today's connected lifestyle

TAIPEI, Taiwan, June 4, 2012 /PRNewswire/ -- Computex -- Marvell (Nasdaq: MRVL) today announced its ITU-T G.hn-compliant transceiver chipset is at the core of ZTE's new ZXHN H505, offering a high level of performance and flexibility for streaming multimedia applications in today's connected home. Marvell and ZTE are showcasing the modem in Room 101C at Computex 2012, taking place June 5-9 at the Taipei International Convention Center.

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

"ZTE believes its new ZXHN H505 will do nothing less than revolutionize the way we consume multimedia in the home," said Zhu Yue, director of home networking of ZTE. "Marvell's G.hn chipset has already garnered outstanding accolades and reviews, making it the clear choice for a product that must differentiate itself in a crowded marketplace. Marvell has a thorough understanding of how to build silicon to support the entire connected ecosystem, and we're excited to watch the ZXHN H505 usher in a new era of enjoyment and possibility in home entertainment."

A leader on many fronts on the connected home and home networking landscape, Marvell has picked up considerable momentum with its G.hn chipset after the technology's debut in September 2011. The solution won a Best Electronic Design Award in December 2011 and a Connected Home Award in April 2012. Demonstrations at CES and the Asia Plugfest in 2012 generated even more interest around Marvell's Powerline roadmap and potential G.hn deployments.

For the ZXHN H505, ZTE has implemented Marvell's entire GE-DW360F G.hn Powerline reference design, which includes a G.hn-compliant MAC/PHY transceiver; the Marvell 88SE1510 Gigabit PHY; the 88LX3142 digital baseband processor; the 88LX2718 analog front end; full ITU-T G.hn protocol stack; and a powerful software API. Targeted for bandwidth-intensive, multi-media streaming applications, the GE-DW360F delivers performance of up to 1Gbps PHY rate – currently the fastest available in the industry.

Marvell's G.hn chipset offers a range of other benefits as well. For example, ITU-T compliance offers a multi-source ecosystem; reduced cost, complexity and time to market; and the advantage of global support across countries, regulators and vendors. It also offers complete unification of the home wireline network, including Powerline, Coax and Phoneline, to distribute more content to more screens in more rooms in the home. In all, Marvell's Powerline reference design is the ideal solution for data-rich, real-time applications such as HD IPTV, VoIP, gaming, multi-room DVR and beyond.

At a glance, the ZTE ZXHN H505 offers:

- Support for all G.hn baseband bandplans (25-, 50- and 100 MHz)
- Coexistence with other technologies (UPA, IEEE1901)
- State-of-the-Art LDPC forward error correction (FEC)
- Remote configuration management integrated on-chip
- Remote one-step firmware upgrade
- Log file record of the modem performance
- Enables broad customization of features
- Multiple Input/Multiple Output technique based on G.9963 to boost PLC throughput
- Optimized and robust performance in high density MDUs (NDIM)
- Secure operation (end-to-end encryption)
- Easy installation and configuration

"Marvell is very pleased to have been selected as the Powerline silicon provider for ZTE's much anticipated ZXHN H505," said Dr. Gani Jusuf, vice president of product development for Marvell's Communications and Consumer Business Group. "Our collaboration offers tremendous validation for technology that has already gained significant momentum in the marketplace. To the extent that consumers seek to take advantage of all the multimedia capabilities available from their service providers, Marvell's G.hn chipset gives customers a reliable and high-performance method to meet this exploding demand. Furthermore, our GE-DW360F Powerline reference design is a terrific ambassador for Marvell's larger umbrella of offerings to support the connected lifestyle."

About ZTE
ZTE is a publicly-listed global provider of telecommunications equipment and network solutions with the most

comprehensive product range covering virtually every telecommunications sector, including wireless, access & bearer, VAS, terminals and professional services. The company delivers innovative, custom-made products and services to over 500 operators in more than 140 countries, helping them to meet the changing needs of their customers while growing revenue. In 2011, ZTE's revenue increased by 29 per cent to USD13.7 billion. Its overseas operating revenue grew 30 per cent to USD 7.4 billion during the period, accounting for 54.2 per cent of overall operating revenue. ZTE commits 10 per cent of its annual revenue to research and development and has leadership roles in several international bodies devoted to developing telecommunications industry standards. ZTE is committed to corporate social responsibility and is a member of the UN Global Compact. The company is China's only listed telecom manufacturer that is publicly traded on both the Hong Kong and Shenzhen Stock Exchanges (H share stock code: 0763.HK / A share stock code: 000063.SZ). For more information, please visit www.zte.com.cn.

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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