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Delta Networks Releases New Modem with Marvell Powerline Technology at its Core

Marvell's G.hn chipset powers eye-popping streaming multimedia for today's connected home

TAIPEI, Taiwan, June 4, 2012 /PRNewswire/ -- Computex -- Marvell (Nasdaq: MRVL) today announced its ITU-T G.hn-compliant transceiver chipset is at the heart of Delta Networks, Inc.'s (DNI's) new DH-ED31GP modem, offering a high level of performance and flexibility that is designed to greatly accelerate today's connected lifestyle. Marvell and DNI are showcasing the modem in Room 101C at Computex 2012, taking place June 5-9 at the Taipei International Convention Center.

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

"The collaboration between DNI and Marvell is resulting in game changing solutions for home entertainment," said Dr. YY Tsai, CTO & Marketing VP of DNI. "As the world's leading provider of PLC products, DNI is very excited that Marvell's innovative G.hn chipset is powering our new DH-ED31GP. The collaboration with Marvell continues to raise the technology bar for the entire industry. More importantly, together with Marvell, we are greatly enhancing the experience for the consumer by delivering incredible streaming multimedia performance to the connected home."

As one of the leaders in connected home and home networking technology, 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 DH-ED31GP, DNI 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 an ideal solution for data-rich, real-time applications such as HD IPTV, VoIP, gaming, multi-room DVR and beyond.

At a glance, the DH-ED31GP 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 pleased to collaborate with DNI on this innovative line of Powerline adapters. Together we are opening the door to a whole new era of excitement and performance in the connected home," said Dr. Gani Jusuf, vice president of product development for Marvell Semiconductor, Inc.'s Communications and Consumer Business Group. "DNI's new DH-ED31GP, featuring the Marvell G.hn chipset, extends the technology and its benefits to a new generation of users in the connected home. Together, we are providing an ideal solution for bandwidth-intensive and real-time applications including HD IPTV, VoIP, gaming, multi-room DVR and beyond."

About Delta Networks, Inc.
Delta Networks, Inc. is a leading ODM, original design manufacturer, of networking communications equipment. Once the Networking Business Unit of Delta Electronics, Inc., Delta Networks has been dedicated to developing networking products since 1989. Delta Networks became an independent corporation in 1999 with worldwide sales offices, R&D Development Centers, and Manufacturing plants in Taiwan and mainland China. DNI's factory in Taiwan is Trade Agreements Act (TAA)-compliant. For more information, please visit www.DNInetworks.com

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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