Marvell Delivers New Network Connectivity Options For The Home With G.Hn Chipset

Optimized for wired home network performance, new G.hn transceiver family expands Marvell's connectivity portfolio to support the most popular connected platforms

SANTA CLARA, Calif., Sept. 27, 2011 /PRNewswire/ -- To support current and surging consumer demand for high-speed and highly robust home networking, Marvell (Nasdaq: MRVL), a worldwide leader in integrated silicon solutions, today announced the ITU-T G.hn compliant transceiver chipset, which enables the complete unification of the home wireline network for distributing more content to more screens in more rooms in the home. The new G.hn transceiver chipset family is designed to provide optimized home network performance over any wired medium (including powerline, coax and phoneline/twisted pair) in a single chipset, reducing overall cost, complexity of design and time to market (TTM) for system designers. With up to a 1 Gbps wire data rate, we expect the G.hn chipset to be an ideal solution for the wireline distribution of bandwidth-intensive and real-time applications such as HD IPTV, VoIP, gaming, multi-room DVR and beyond.

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

"Marvell's new G.hn transceiver chipset delivers optimal networking solutions for a broad range of applications in consumer electronics and service provider environments. The flexibility the chipset is designed to bring, in terms of medium choice along with our complete design package approach, enables Marvell customers to quickly adapt the technology to their specific markets and customers," said Gerry Liu, vice president of the Connectivity Business Group at Marvell Semiconductor, Inc. "The G.hn chipset is a key element of our connected home portfolio, enabling our customers to offer an immersive home network experience in an increasingly crowded market."

The introduction of the G.hn transceiver chipset further expands Marvell's comprehensive connectivity portfolio. Marvell stands out in offering a complete set of connectivity solutions that enables original equipment manufacturers (OEMs) and original design manufacturers (ODMs) to select complete multi-technology design packages to create systems that provide seamless and engaging experiences for consumers. From G.hn to Audio Video Bridging (AVB) enabled switches to multi-path Wi-Fi and traditional Ethernet LAN controllers, Marvell customers can create compelling new services for the market's most popular connected platforms.

Building upon Marvell's time-tested, field-proven firmware for UPA Powerline Communications (PLC), the G.hn firmware takes networks to new levels of performance, while ensuring coexistence with millions of deployed legacy UPA PLC products. Marvell's extensive experience in PLC also enables a fully optimized, easy-to set up solution for use in homes globally as well as extensive in-home manageability for service providers. The reference designs released with the G.hn chipset introduction can be ported directly to manufacturing prototypes, speeding TTM.

"G.hn solutions offer a fast, elegant method for OEMs and service providers to deliver in-home networking of Ethernet-enabled devices," said Heath Lockett, market analyst for IMS Research. "Marvell's new G.hn chipset promises a quality of entertainment experience above and beyond what consumers can achieve over legacy Wi-Fi, and an ease of use which trumps wired legacy connection methods that require the installation of new wires. The G.hn chipset represents Marvell's support of the G.hn standard, which offers the widest range of wireline connectivity options for consumers, and aims to provide a compelling home connectivity solution."

Product Highlights:

- Full home coverage and very high robustness expected data rates up to four times faster than legacy technologies
- G.hn provides high performance over any wire medium, including coax, phoneline and powerline in a single chipset
- Optimized for HD IPTV
- Support for bridging, smart repeating, full TCP/IP stack, IP-Multicast
- Embedded TR-069 and TR-111 remote management clients
- Security designed to meet contemporary threat model and strict power management
- Global standards-based technology promotes worldwide acceptance in the marketplace
- Coexistence with legacy products, including millions of deployed UPA devices
- Interoperability with any G.hn baseband bandplans (25, 50, 100 MHz)
- Field-proven SPIRIT firmware with powerful API to help reduce time to market and while enabling broad customization for any specific application

Related Links:

- Product information: http://www.marvell.com/wireline-networking/ghn/
- Marvell media materials: http://www.marvell.com/company/press_kit/

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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For Further Information Contact:
Marvell Media Relations

Daniel Yoo
Tel: 408-222-2187
yoo@marvell.com

Kim Anderson
Tel: 408-222-0950
kimander@marvell.com

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