Marvell Announces Enhanced LTE-PON Platform For Service Providers

End-to-end solution delivers superior quality of experience for the connected lifestyle

SANTA CLARA, Calif. and LAS VEGAS, May 8, 2012 /PRNewswire/ -- Extending its always-on, connected lifestyle vision to next-generation networks, Marvell (Nasdaq: MRVL) today announced an end-to-end, enhanced LTE-PON platform designed to facilitate fast and efficient end-user access to home and public cloud content. In a world where consumers rely more and more on cloud access from multiple locations and during transit, Marvell's LTE platform is designed to ensure optimum data processing, transfer and storage, ultimately allowing service providers to deliver on next-generation performance promises. Marvell will demonstrate the solution this week by appointment at Interop 2012 in Las Vegas.

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

"Marvell's new LTE platform raises the bar and defines a new standard for quality of experience," said Paul Valentine, vice president of marketing for the Cloud Services and Infrastructure (CSI) Business Unit of Marvell Semiconductor, Inc. "In its vision of the connected lifestyle, Marvell is committed to providing a comprehensive technological foundation for a range of services and applications. We understand that consumers will use their LTE devices to access data-intensive content on multiple clouds from wherever they are. Marvell positions service providers to support these demands – creating a significant competitive advantage."

The Marvell® LTE platform is a complete package for home cloud gateways, cell sites, mobile backhaul, serving gateways, optical transport, and content, media and storage servers – all of which offer complete LTE software ecosystem support for Marvell's ARM-based eNodeB, EPC and UE solutions. Above all, the platform is designed to exceed industry standards for speed, performance, capacity and scalability.

The home cloud component is comprised of Marvell's Avanta® Universal PON highly integrated gateway, Avastar™ Beamforming WLAN and the PXA flexible LTE world modem, which was announced at Mobile World Congress in February. Avanta is the first single-chip, standard product supporting GPON, EPON, China-EPON and point-to-point Metro Ethernet Access (MEA). Avanta is a highly-integrated gateway solution supporting a new generation of connected TV's, enhanced video on demand and real time content streaming. Featuring a single chip architecture, the LTE modem enables the latest LTE, TDD-LTE, FDD-LTE, WB-CDMA, TD-SCDMA and EGPRS technologies for true global mobile coverage and category four speeds of up to 150 megabits-per-second on the downlink.

For LTE cell sites, Marvell employs its renowned ARMADA® XP chipset with its multi-core ARM processor and complete software support for layer one-to-three protocols and applications. The LTE Serving Gateway is also powered by multi-core ARM evolved packet core (EPC) service processors. Features include scalable solutions for small cells to macro cells (Femto, Pico, Micro and Macro), complete software ecosystem support for serving gateways, packet data networking gateways, mobility management and interoperability with operator UE devices, supporting six to ten million subscribers.

LTE mobile backhaul is powered by Marvell's Xelerated® programmable packet processors and switches for easy migration from legacy PTN to IP-RAN; flexible and robust OAM support; comprehensive, five-level hierarchical quality of service (QoS); and deterministic scaling from cell-site to multi terabit chassis aggregation. Marvell's Prestera® chipset supports optical transport with multi-port 100G and single-chip multi-terabit switches for OTN transport back to the data center gateway.

Finally, ARMADA, Xelerated and Prestera together offer public-cloud solutions for content, media and storage servers. These efficient, low-power processors and switches are designed to support the explosive growth of

mobile subscribers and machine-to-machine clients for content and media delivery as well as Hadoop™ and memcached storage servers for acceleration and cloud-caching, and finally programmable switching for server and storage load-balancing.

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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