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Marvell Introduces SoCs to Boost Digital Home Gateway and PC Performance

SoCs with Marvell's Powerful Embedded Shiva CPU Deliver High Performance and Low Power Consumption for Digital Home Appliances, PCs and MIDs.

SANTA CLARA, Calif., June 2 /PRNewswire-FirstCall/ -- Marvell (Nasdaq: MRVL) a leader in storage, communications and consumer silicon solutions, today introduced the Marvell(R) 88F6000 series, featuring Shiva(TM) embedded CPU Technology. These System-on-Chip (SoC) devices bring low power, high performance application processing to next-generation digital home gateways and are designed to expand consumers' entertainment and personal content choices by enabling video, audio and photos from multiple network and in-home sources to be distributed throughout the home.

(Logo: <http://www.newscom.com/cgi-bin/prnh/20070411/SFW034LOGO>)

In IP gateways, set top boxes, home routers and media servers, the Marvell 88F6000 plays the role of a main or co-processor, offloading applications such as the graphical user interface and the web browser from the primary video processor. Typically, without such offloading, these applications slow system performance, creating delays that detract from consumer enjoyment.

"Consumers want instant access to high quality video, photos and other content from multiple sources distributed throughout the home," said Dr. Paramesh Gopi, vice president and general manager, Embedded and Emerging business unit, Communications and Consumer business group at Marvell. "The 88F6000 series excels by providing the processing power needed to handle multiple data rich applications simultaneously, while reducing power consumption and boosting system performance."

The Marvell 88F6000 series with Shiva CPU Technology also adds Network Attached Storage (NAS) functionality to the standard Personal Computer architecture, enabling PCs operating in stand-by mode to continue performing network functions such as movie downloads and disk backup, while minimizing power consumption. The Marvell SoC device turns a standard PC into a NAS box, securely available over the network and internet. For business PC users, this capability enables convenient "down time" file backup, storage and sharing over the network. Consumer PC users, similarly, might be able to download HD movies overnight.

The Marvell 88F6000 series with Shiva CPU Technology also excels as the primary processing unit in Mobile Internet Devices (MIDs) and similar small form factor personal computing devices where its high performance and low power consumption make it an ideal solution.

Marvell's new SoCs will initially come in three versions, the 88F6180, 88F6192 and the 88F6281, with the 88F6281 capable at running of speeds up to 2 GHz, while consuming an ultra-low sub 2 Watts of power. Each device in the family comes with application software that is designed to speed development and reduce time to market. The highly-integrated SoCs come with two serial ATA (SATA) ports, a USB port, a PCI Express (PCIe) port and an SDIO port among others. In addition, the new series is backward compatible with existing Marvell solutions.

Pricing and Availability

Marvell's 88F6000 series are currently sampling to customers. For pricing, please contact a Marvell sales representative.

Pricing and availability are subject to change without notice.

A demonstration of the Marvell 88F6000 series featuring Shiva CPU Technology will be on display at Computex 2008, June 3-7, Taipei, Taiwan.

About Marvell

Marvell (Nasdaq: MRVL) is a leader in the development of storage, communications, and consumer silicon solutions. The company'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 terms "company" and "Marvell" refer to Marvell Technology Group Ltd. and its subsidiaries. For more information, visit <http://www.marvell.com>.

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