

## Marvell Releases New 28nm 10GbE And GbE Packet Processor Product Suite Further Enabling Secure And Power Efficient Solutions For Access Networks

**Marvell's new series of advanced Prestera DX packet processors address security challenges faced by BYOD in campus and SME networks globally**

SANTA CLARA, Calif. and LAS VEGAS, March 31, 2014 /PRNewswire/ -- [Marvell](#) (Nasdaq: MRVL) today announced a new series of Marvell® Prestera® DX packet processors that enable secure and power efficient solutions for a new generation of access networks. The Marvell Prestera DX product family continues the company's leadership in highly integrated packet switching in the 28nm process with an advanced System-on-Chip (SoC) architecture. The DX3300 and the DX3200 families are designed to simplify and secure these converged access deployments. Faster adoption of 10GbE-enabled servers are driving the need for DX8200 family of packet processors that offer compelling options for networking in the cost sensitive environments of the small and medium enterprises (SME) core and aggregation.

"The proliferation of Bring Your Own Device (BYOD) and the drive towards common security and policy management of the converged network is pushing new network architecture models. Marvell's new 28nm packet processors product suite further supports our continued commitment to designing and delivering higher service density per watt. Building on the company's long heritage in networking, this release brings to market platforms and innovative solutions for 10Gigabit and gigabit networking," said Ramesh Sivakolundu, vice president CSIBU at Marvell. "The Prestera DX portfolio of devices, coupled with a total solutions approach, continues to offer a variety of switching solutions to enable secure, feature-rich and cost sensitive access in campus and SMB networks across the globe."



The DX8216 packet processor is a highly optimized solution for 10GbE server connectivity in the SME environment. Coupled with the game changing Alaska®-X family of 10GBase-T PHYs, these devices are designed to enable highly power efficient systems for that application. Advanced eBridging™ technology enables a host of virtualization capabilities, as well as OpenFlow 1.4 support.

The DX3300-based systems enable feature rich and secure GbE and 10GbE access networking platforms. Armed with dual-core on-chip ARM CPUs, the DX3300 and the DX3200 families are capable of meeting the demanding access needs of the carrier, industrial and campus networks by enabling host management and embedding additional value-added security and monitoring applications or off-loading complex services like OAM, PTP or DPI. Native integration of PHYs enables direct attached copper or fiber-based 10GbE network connections, as well as multi-system stacking. Support for the IEEE 802.1BR tunneling schemes also enable centralized management architectures and a port extender model of deployment in the enterprise.

The DX3200 family of devices continues to address the needs for cost sensitive Gigabit Ethernet access for unmanaged and intelligent access networking solutions by providing an extremely power efficient design without compromising on the full complement of the features needed in such networks. A simple and efficient programming model enabled by Marvell's Core Prestera Software Suite is expected to reduce design complexity and system development schedules while accelerating network and service deployment.

To shorten system manufacturers' design cycles and accelerate time-to-market, Marvell provides complete development platforms and reference designs with device drivers, schematics, layout files and other documentation.

Key Features of the Prestera DX packet processors:

- **Marvell Prestera DX8216:** Integrates 16 ports of 10GbE with advanced eBridging architecture for native 10GbE server connectivity in the SMB/SME networks
- **Marvell Prestera DX3336:** Integrates a dual core ARM v7 CPU with 24 ports GbE, 2 ports of 10GbE and 2 ports of 20G stacking for Campus edge/access
- **Marvell Prestera DX3236:** Integrates an ARMv7 CPU with 24 ports GbE, 2 ports of 10GbE and 2 ports of 20G stacking for SMB/SME edge/access

The DX8216, DX3336 and DX3236 will sample to lead customers soon. Interested parties can contact their local Marvell representative for further details of the comprehensive system development kit (SDK) and related

device collateral of the DX family of products.

For further information on Marvell's Prestera DX packet processors, please visit:  
<http://www.marvell.com/switching/prestera-dx/>.

#### About Marvell

Marvell (NASDAQ: MRVL) is a global leader in providing complete silicon solutions and Kinoma® software enabling the "Smart Life and Smart Lifestyle." From mobile communications to storage, cloud infrastructure, digital entertainment and in-home content delivery, Marvell's diverse product portfolio aligns complete platform designs with industry-leading performance, security, reliability and efficiency. At the core of the world's most powerful consumer, network and enterprise systems, Marvell empowers partners and their customers to always stand at the forefront of innovation, performance and mass appeal. By providing people around the world with mobility and ease of access to services adding value to their social, private and work lives, Marvell is committed to enhancing the human experience.

For more information, please visit [www.Marvell.com](http://www.Marvell.com).

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