

Marvell Enables Secure And High-Availability IPv6 Deployments With New Packet Processor

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[Marvell](#)

[, a technology leader in the development of extreme broadband communications and](#)

[storage](#) solutions, today introduced the new Presteria®-EX116 and -EX126 packet processors that offer **the industry's most comprehensive support for IPv6 and enable customers to quickly incorporate IPv6 features into their product portfolios**. The new Presteria-EX devices offer full routing and switching capabilities in hardware for simplifying customers design efforts and accelerating their time-to-market.

“With support now available in leading switches, routers, and operating systems, IPv6 is quickly becoming a must-have feature for a broad variety of networking equipment,” said Bob Wheeler, Senior Analyst for The Linley Group. “The most challenging part of IPv6 deployment is coexistence with IPv4 networks through tunneling and translation schemes. Development efforts, such as those undertaken by Marvell, are enabling broader adoption of IPv6 by delivering comprehensive support in a cost effective manner.”

IPv6 is an evolutionary standard that enables customers to manage the growing number of networked consumer electronic devices without

running into the addressing scheme limitations inherent to IPv4. Unique to the Presteria-EX devices is comprehensive IP-in-IP tunneling support that enables coexistence with current networks as well as the migration from IPv4 to next generation IPv6 networks. With line rate IPv6 Unicast and Multicast routing, the Presteria-EX devices also offer high-performance capabilities for emerging peer-to-peer multimedia applications. In addition, the new Presteria-EX devices support sophisticated L2-L4 traffic classification, filtering, and prioritization schemes that meet customers' stringent security and Quality of Service (QoS) requirements.

Purpose built for the Enterprise Core and Enterprise/ISP Aggregation networks, the new Presteria-EX devices offer advanced features such as Policy Control Lists (PCLs) enabling IT managers to define policies for managing user access to network and system services. Marvell's new Presteria-EX devices also feature SecureControl technology, a new and innovative approach to CPU traffic management, to address the high-availability requirements of mission critical systems.

“With the recognition of the inherent benefits from increased security, QoS and scalability, the technology industry and governments worldwide are driving the adoption of IPv6,” said Paul Valentine, Senior Director, Product Marketing, Marvell. “Incorporating IPv6 features was a clear requirement and Marvell was able to leverage its expertise and experience to develop a highly integrated, comprehensive solution. Marvell is now uniquely positioned to offer a complete portfolio of IPv6 capabilities from SOHO to Enterprise with products at every performance point including Fast-, Gigabit-, and 10 Gigabit-Ethernet.”

About Presteria-EX Devices

The Marvell® Presteria-EX family of Packet Processors delivers multi-layered switching with an industry-leading feature set. The Presteria-EX116 integrates 48 Fast Ethernet (FE) ports, 4 Gigabit Ethernet (GbE)

ports and a 16 Gbps uplink bus. The Prestera-EX126 integrates 12 GbE ports and a 16 Gbps uplink bus. The EX family provides the ideal solution for rapid development of high-port density chassis, stackable and standalone switches with uncompromising, non-blocking performance and scalability.

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