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Microsemi Announces Availability of Low Latency, Low Power, High Reliability Gen 4 PCIe Switches Enabling High Performance Interconnect in Rapidly Growing Markets

New Switchtec PCIe Switches Provide 16 GT/s PCIe Connectivity for Machine Learning, Data Center Servers and Storage Markets

ALISO VIEJO, Calif., Aug. 2, 2018 /PRNewswire/ -- **Microsemi Corporation**, a wholly owned subsidiary of Microchip Technology Inc. (Nasdaq: MCHP), today announced sampling availability of its Switchtec™ Gen 4 PCIe switches, enabling customers to build next-generation high performance, low latency interconnect solutions in high growth markets including machine learning, data center servers and storage equipment. The new generation of PCIe switches, which offer high density and reliability as well as low power, provide customers a quick time to market solution with field-proven Switchtec firmware and a chip architecture enabling significant re-use of customers' investments in Switchtec management software, drivers, firmware and system design.



"Server, storage and general-purpose graphics processing unit (GPGPU) architectures are increasingly growing their use of PCIe infrastructure and our new Switchtec Gen 4 PCIe switches provide a high-reliability solution to address this increasing demand," said Andrew Dieckmann, vice president of marketing and applications engineering for Microsemi's Data Center Solutions business unit. "With significant intellectual property reuse from our Gen 3 to Gen 4 PCIe switches, our customers can leverage much of their Switchtec management software, drivers, firmware, and development tool investments—providing a lower risk, quicker time to revenue solution."

The Switchtec Gen 4 PCIe switches are GPU-optimized with low pin-to-pin latency and low latency variation for optimal machine learning workload performance. Other features include up to 100 line-rate capable PCIe lanes as well as an integrated high-performance cut-through direct memory access (DMA) engine. High-reliability features include hot- and surprise-plug support, end-to-end data integrity and best-in-class debugging with the ChipLink diagnostics tool.

"Data center architectures are increasingly growing their use of PCIe infrastructure due to its high performance and low latency benefits," said Ogi Brkic, General Manager, Radeon Professional Graphics - AMD. "We're pleased to see the Gen4 PCIe switching investment by Microsemi to strengthen the ecosystem and drive broader deployment of PCIe solutions."


Product Availability

Microsemi's Switchtec Gen 4 PCIe switches, part of a complete end-to-end solution of infrastructure and endpoint solutions for PCIe Gen 4, are sampling now to lead customers. For additional information, visit <https://www.microsemi.com/product-directory/storage/5439-pci-express-4-0-pcie-gen4>. For details or to inquire about purchasing samples, please contact sales.support@microsemi.com.

About Microsemi

Microsemi Corporation, a wholly owned subsidiary of Microchip Technology, Inc. (Nasdaq: MCHP), offers a comprehensive portfolio of semiconductor and system solutions for aerospace & defense, communications, data center and industrial markets. Products include high-performance and radiation-hardened analog mixed-signal integrated circuits, FPGAs, SoCs and ASICs; power management products; timing and synchronization devices and precise time solutions, setting the world's standard for time; voice processing devices; RF solutions; discrete components; enterprise storage and communication solutions, security technologies and scalable anti-tamper products; Ethernet solutions; Power-over-Ethernet ICs and midspans; as well as custom design capabilities and services. Microsemi is headquartered in Aliso Viejo, California. Learn more at www.microsemi.com.

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