

**FOR IMMEDIATE RELEASE****Portwell and Microchip Technology Partnership Leverages PCIe® Gen 6.0 Solutions To Accelerate AI Infrastructure**

*Collaboration leverages Microchip's 3 nm Switchtec™ Gen 6 PCIe switches delivering 160-Lane scalability doubling bandwidth and boosting efficiency*



**TAIPEI, TAIWAN— February 25, 2026—** Portwell, Inc. (<https://www.portwell.com.tw>), a world-leading innovator for Industrial PC (IPC) and embedded computing solutions, has entered into a strategic collaboration with Microchip Technology to deliver advanced PCI Express® (PCIe®) Gen 6.0 solutions. This partnership leverages Microchip's recently launched Switchtec™ Gen 6 PCIe switches to power Portwell's next generation platforms that utilize advanced processing technologies for AI computing Infrastructures.

As AI models grow exponentially in size, the interconnect has become the primary bottleneck. The new solution utilizes PCIe 6.0 to deliver data rates of 64 GT/s, doubling the bandwidth of the previous generation while maintaining high energy efficiency. At the core of this collaboration is Microchip's Switchtec Gen 6 family, the industry's first PCIe Gen 6.0 switch manufactured using 3 nm process technology.

"PCIe 6.0 represents a major leap forward, and Microchip's leadership in this space allows us to bring cutting-edge performance and efficiency to our portfolio," said Oskar Wu, Senior Vice President of



Portwell. “We are partnering with our customers to accelerate the development of tomorrow's AI systems, today.”

Key technical advantages of this collaboration include:

- **Scalability:** Supporting up to 160 lanes, the switches enable Portwell to offer high-density GPU fabric connectivity essential for AI training.
- **Optimized Power Efficiency & Sustainability:** 3 nm process technology lowers power density and thermal output. These architectural advancements, combined with intelligent dynamic resource allocation, enable Portwell to deliver high-density AI computing platforms that significantly reduce energy consumption, addressing the growing ESG and thermal management requirements in modern data centers.
- **Rapid Deployment:** By utilizing Microchip’s ChipLink diagnostic tools with real-time eye capture and Link Training and Status State Machine (LTSSM) monitoring, Portwell can enhance its product development processes, enabling efficient integration of cutting-edge technologies.

“Our 3 nm PCIe Gen 6 switches provide the high-performance connectivity, robust signaling and energy efficiency required for modern AI and HPC architectures,” said Brian McCarson, corporate vice president of Microchip’s data center solutions business unit. “Partnering with Portwell allows us to bring these capabilities directly into advanced platforms to help accelerate innovation across the industry.”

For inquiries regarding Portwell’s PCIe 6.0 platforms, please contact [www.portwell.com.tw/support-center/service-request](http://www.portwell.com.tw/support-center/service-request). For more information on the Switchtec family, visit [www.microchip.com/en-us/products/interface-and-connectivity/pcie-switches](http://www.microchip.com/en-us/products/interface-and-connectivity/pcie-switches).

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### **About Portwell, Inc.**

Founded in 1993 and headquartered in Taipei, Taiwan, Portwell, Inc. is a global industrial embedded systems and edge computing solutions provider. As a subsidiary of Posiflex Technology Inc., Portwell designs and manufactures a comprehensive portfolio of products, including single-board computers, embedded systems, industrial PCs, network appliances, and medical-grade computing platforms. With a strong commitment to innovation, quality, and customer success, Portwell delivers reliable and application-ready solutions that empower digital transformation across diverse industries such as medical equipment, factory automation, network security, transportation, and defense. The company adheres to rigorous quality and environmental standards and is certified to ISO 9001, ISO 13485, and ISO 14001. Portwell’s global footprint includes offices in the United States, Japan, China, Korea, India, the United Kingdom, Germany, and The Netherlands, delivering agile, localized support and fostering close collaboration with OEM and ODM partners worldwide. By combining deep engineering expertise with decades of proven industry experience, Portwell continues to advance embedded computing and edge



intelligence - helping customers accelerate innovation and build smarter, more connected, and sustainable solutions for the future. For more information, visit [www.portwell.com.tw](http://www.portwell.com.tw) or follow Portwell on [LinkedIn](#) and [YouTube](#).

#### **About Microchip Technology Inc.**

Microchip Technology Inc. is a broadline supplier of semiconductors committed to making innovative design easier through total system solutions that address critical challenges at the intersection of emerging technologies and durable end markets. Its easy-to-use development tools and comprehensive product portfolio supports customers throughout the design process, from concept to completion. Headquartered in Chandler, Arizona, Microchip offers outstanding technical support and delivers solutions across the industrial, automotive, consumer, aerospace and defense, communications and computing markets. For more information, visit the Microchip website at [www.microchip.com](http://www.microchip.com).

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