



NEWS RELEASE

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Curtiss-Wright Enhances PacStar 453 and PacStar 454 GPU-Accelerated Edge Servers

Compact, modular platforms deliver high-performance compute and AI capabilities in demanding edge environments

ASHBURN, Va. – October 13, 2025 – Curtiss-Wright today announced enhancements to [PacStar® 453](#) and [PacStar 454](#) servers, two rugged, small-form-factor modules designed to bring GPU-accelerated performance to the edge. Purpose-built for data-intensive, time-sensitive applications, PacStar 453 and 454 integrate high-core-count Intel® Xeon® D-1700 (Ice Lake) processors with the updated NVIDIA® accelerated computing technology, delivering enhanced AI processing, advanced graphics, and faster, more efficient data handling in a compact, deployable form factor.

“PacStar 453 and 454 provide users with the compute resources needed to process larger data sets, run more applications, and make informed decisions faster, even in disconnected or austere environments,” said Roark McDonald, General Manager, PacStar. “By combining Intel CPU technology with NVIDIA accelerated computing in the proven PacStar 400-Series ecosystem, we are enabling our customers to bring modern enterprise-class performance to the edge - accelerating the deployment of advanced applications that demand real-time insight and responsiveness.”

PacStar 453 and 454 deliver a significant performance upgrade over previous models, with faster CPUs, higher-speed memory, and next-generation GPU acceleration featuring thousands of NVIDIA CUDA cores and [NVIDIA Tensor cores](#). Together, with fast NVMe® storage, robust IPMI based remote-management tools, and support for popular virtualization and enterprise software, the servers enable users to run complex workloads with greater responsiveness and reliability.

Key Features of PacStar 453 and 454 include:

- Intel Xeon D-1700 “Ice Lake” CPUs paired with next-generation NVIDIA GPUs for accelerated AI and graphics performance
- Compact, modular design compatible with the PacStar 400-Series ecosystem
- Flexible performance options: PacStar 453 2-slot module; PacStar 454 3-slot module with higher GPU class and additional removable SSDs
- Enterprise-class virtualization support for hypervisors and multiple concurrent applications
- Ruggedized, deployable solutions with proven PacStar reliability across mobile and edge environments

Curtiss-Wright delivers rugged, long-lifecycle access to the latest GPU technologies while enabling customers to leverage the full breadth of the [NVIDIA AI Enterprise](#) ecosystem. This collaboration helps customers accelerate deployment, streamline software integration, and ensure product continuity aligned with NVIDIA’s technology roadmap.

PacStar 453 and 454 expand Curtiss-Wright’s growing portfolio of NVIDIA-enabled edge solutions, complementing other small form factor modules in the PacStar 400-Series. Together, these interoperable building blocks provide a scalable foundation for AI-enabled decision-making, seamless data sharing, and integrated operations at the edge.

For more information, visit www.curtisswrightds.com and [LinkedIn](#).

About Curtiss-Wright

Curtiss-Wright is a global integrated business that provides highly engineered products, solutions and services mainly to Aerospace & Defense markets, as well as critical technologies in demanding Commercial Nuclear Power, Process and Industrial markets. We leverage a workforce of approximately 9000 highly skilled employees who develop, design and build what we believe are the best engineered solutions to the markets we serve. Building on the heritage of Glenn Curtiss and the Wright brothers, Curtiss-Wright has a long tradition of providing innovative solutions through trusted customer relationships. For more information, visit www.curtisswright.com.

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