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### Title: Machine Vision and Imaging applications can be faster and more powerful with the new Gidel **PROCe IV™ PCIe x4 Computation Accelerator**

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- The **PROCe IV™** system provides a high-capacity, high-speed FPGA-based platform fortified with high throughput and massive memory, resulting in a powerful and highly flexible system. The **PROCe IV** can be hosted via 4-lane PCI Express. The board's high speed performance coupled with memory and add-on daughter boards' flexible architecture enable the system to meet almost any computational needs. In addition to 512MB onboard memory, two SODIMM sockets provide up to 8GB of memory or additional connectivity and logic. Abundant memory coupled with fast PCIe connection enable strong co-processing between a standard PC operating system and the FPGA acceleration. The **PROCe IV** system, with GiDEL's **PROCDeveloper's Kit** and tools, offers incredible performance yet supports quick implementation of your unique design. These unique features are achieved by eliminating the need for a high-speed board design, a PCI Express application driver, board constraints and environment FPGA code. The generated HDL code enables high throughput, easy-to-use parallel access to large memories. As a result, designers can focus on their proprietary value-added design. User designs may be in HDL, C-based, Simulink (graphical design) or any combination of them.



More information and a data sheet are available from our [web site](#)

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