GPGPU offers defense industry's highest performing stream processing capability

Mercury Computer Systems Inc. announced the Ensemble™ Series 6000 Dual AMD GPGPU OpenVPX™ GSC6201 module. This new module delivers the defense industry’s highest performing stream processing capability in a 6U form factor. Its flexible, modular design expands the customer’s choice of GPGPU, allowing them to select the best GPGPU for their application.

The GSC6201 balances the disruptive computational capabilities of AMD’s latest generation Radeon™ HD 7970M embedded GPGPU processor with high-bandwidth I/O interfaces, providing a powerful and scalable computing architecture that is well aligned with high-end radar, electronic warfare and image processing applications. With this product, Mercury leverages multiple open software and hardware technologies for straightforward interoperability, extensibility and portability. Among these open technologies is OpenCL™, an optimized, industry-standard software framework that supports code migration among GPGPUs and other processors for preservation of software IP. Open industry-standard hardware technologies incorporated within the GSC6201 utilizing AMD include OpenVPX for interoperability, extreme ruggedization for harsh environmental operation, and industry-standard MXM technology for rapid tech refresh and performance upgrades to the latest GPGPU technology.

The GSC6201 is available now and can be configured in air-cooled or conduction-cooled rugged versions.

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