



EIZO Rugged Solutions Announces CUDA-Based Single-Slot 3U VPX GPGPU/SBC Solution for SWaP-Conscious Airborne-ISR Customers

- *The Condor GR3 3U VPX rugged conduction-cooled GPGPU solution provides flexible architecture for the easy upgrade of both GPU and SBC*
- *The Condor GR3 3U VPX GPGPU solution hosts NVIDIA's GeForce GTX-950M processor with 640 CUDA cores and 1,271 TFLOPs of floating point performance*
- *The Condor GR3 3U VPX card supports multiple I/O interfaces including Ethernet, RS-232, USB, and SATA*

Altamonte Springs, Florida, April 19, 2017 – EIZO Rugged Solutions Inc. (formerly Tech Source, Inc.) introduced a high performance NVIDIA CUDA-based 3U VPX graphics processor combined with an XMC form factor single board computer (SBC) to create a powerful single-slot 3U VPX GPGPU solution. Currently there are two SBC configurations, the Condor GR3-C3 3U VPX and Condor GR3-X7 3U VPX supporting an Intel i3 or i7 processors, respectively. Other SBC configurations will be supported in the near future.

The Condor GR3 3U VPX rugged conduction-cooled graphics module/SBC was developed for an airborne reconnaissance application where size, weight, and power (SWaP) were key considerations. Its versatile architecture allows for an easy upgrade path of both the graphics module and the SBC. The card also boasts a range of I/O options including 1Gbps Ethernet, RS-232, USB, and SATA to deliver unprecedented power and flexibility.

Selwyn L. Henriques, president and CEO of EIZO Rugged Solutions, commented, “Our latest rugged solution gives our performance-oriented GPGPU customers every ounce of processing power from a single 3U VPX slot. The Condor card also provides the flexibility to upgrade both the GPU module and the SBC and thereby scale to meet the performance needs over an extended lifecycle for many of our customers’ solutions.”

The Condor GR3 3U VPX hosts the NVIDIA GeForce GTX-950M processor which offers 640 CUDA cores, 1,271 TFLOPs of floating point performance, and 4 GB of GDDR5 graphics memory. Multiple variations are available through customer configuration for balancing CPU and GPGPU performance requirements. The card targets those developing graphics and video processing applications using the NVIDIA CUDA architecture (CUDA 5.0) as well as the industry-standard OpenCL programming language (Open CL 1.2).

The card is MIL-STD-810 compliant and supports PCI Express 2.0 (8 or 4 lane) and features DVI, VGA, and DisplayPort++ video outputs from the rear VPX P1/P2 connectors. EIZO Rugged Solutions also offers engineering support pre- and post-sale with the dedication to meet customer needs with design modification.

For more information on the Condor GR3 3U VPX or any other product from EIZO Rugged Solutions, please visit www.eizorugged.com, email condor@eizo.com, or call +1 (407) 262-7100.

Media Photo:

http://www.eizorugged.com/press/releases/images/Condor_GR3_3U_VPX_press.jpg



Product datasheet:

http://www.eizorugged.com/support/brochures/pdfs/Condor_GR3_3U_VPX.pdf

Media Contact

John Payne
EIZO Rugged Solutions Inc.
Phone: +1 (407) 262-7100
Email: john.payne@eizo.com

About EIZO Rugged Solutions

EIZO Rugged Solutions Inc., formerly Tech Source, Inc., has been developing graphics and video solutions for air traffic control, military, and embedded applications for over 28 years. The ISO9001:2008 certified company offers a range of commercial off-the-shelf (COTS) products, including graphics processors targeted at GPGPU applications, video input solutions, video compression and streaming boards, imaging cards, recording solutions and software libraries. The company designs and manufactures its core MIL-STD-810 graphics and video products in the USA from its facility in Altamonte Springs, Florida and serves customers in defense, security, aerospace, avionics, transportation, maritime, and industrial markets.

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