

Subject: VTI PR - 9/11/2012: CMX09, PXIe 9-slot Chassis

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PRESS RELEASE

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VTI Instruments Launches PXI Express Product Line with Introduction of industry's first PXImc ready 9-slot chassis.

[New mainframe supports 8 GB/s system bandwidth and first to offer multiple processor capability](#)

VTI Irvine, CA - September 11, 2012 VTI Instruments introduced its first modular instrumentation products for the PXI Express platform at Autotestcon 2012 in Anaheim, CA today, leading with the [CMX09 9-slot mainframe](#). The slot-to-slot direct communication capability combined with true multi-root support allows the [CMX09](#) to be the first and only PXImc (PXI MultiComputing) ready mainframe in the industry, making it ideal for high-speed, high-channel count applications where multi-gigabytes/sec of data are required for in-line processing and analysis. The compact form factor and extended environmental operating range make it ideal for portable data acquisition applications, while its 4-lane Gen 2 PCIe backplane provides the backbone required for demanding ATE requirements such as high-speed oscilloscopes and signal generators.



The [CMX09](#) offers two slots for a system controller, and peripheral support for one timing slot, six PXI Express slots and one PXI-hybrid slot. To address distributed data acquisition requirements that require tight synchronization of acquired data, the mainframe was designed with a built-in mechanism for distributing an IEEE-1588 (precision time protocol) time source to all plug-in modules in the mainframe. When used with VTI's [EMX-2500 gigabit, IEEE-1588 remote interface](#), modules in multiple mainframes can be precisely synchronized to a common time base.

"VTI has been committed to the modular instrumentation market for over 20 years as a leading supplier in the VXIbus and LXI market." said Tom Sarfi, VTI's VP of Business Development. "We firmly believe that switched serial fabric inherent to the PXI Express architecture will become the defacto standard for PC-based modular instruments moving forward. There is so much horsepower offered, and that translates to large volumes of data throughput that can benefit many T&M applications. We feel that the introduction of [CMX09](#) brings advanced capability to the PXI Express market that exposes this forward looking technology to the end user."

The [CMX09](#) is designed to be maintenance-friendly, featuring an intelligent smart-switch display. The smart-switch monitors and reports the status of the internal temperature as well as fan speed and power rail voltages and provides alerts to the system in the event of an out-of-tolerance condition. The reading from the temperature sensors are used to control the fan speed ensuring that there is always an optimal amount of cooling delivered to the modules in the mainframe. A field-replaceable power supply, fan assembly and filter tray simplify on-site diagnostics and replacement of any failed components.

There are a variety of options offered with the [CMX09](#) tailored to the different application spaces that it addresses. Optional handles make it easy to lift and move for portable or tabletop requirements. Bolt-down frames that attach to the bottom of the mainframe include vibration isolators capable of withstanding a high degree of vibration when used in-vehicle, while rackmount ears allow it to be easily integrated into an ATE system.

Price and availability: \$3750 Stock to 6 weeks ARO

For more information, please visit: [CMX09 Webpage](#)

About VTI Instruments Corporation

VTI delivers precision instrumentation for electronic signal distribution, acquisition, and monitoring, which is used in the world's most demanding test applications. Our solutions provide reliable data, first time, every time. Serving the aerospace and defense, power generation, energy, automotive and commercial electronics industries, VTI's solutions allow our customers to optimize their capital investment through product longevity while ensuring unmatched measurement integrity and data reliability. ISO 9001 certified, with plants in the U.S., Europe and Asia, worldwide product support is provided through a network of VTI certified engineering representatives. VTI is a sponsor member of the VXI Consortium, a founding member of the LXI Consortium and an active member of the VITA open standards organization. For additional information, please visit VTI Instruments website

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