Agilent Technologies Introduces First Modular AXIe Embedded Controller

Agilent Technologies announced the first modular AXIe embedded controller – the Agilent M9536A, a powerful one-slot module that can be used to build compact AXIe systems.

With built-in front panel interfaces, the new controller can easily integrate into hybrid test systems using USB and LAN. This module expands Agilent's current offering, which provides customers the choice of external controllers or the new embedded controllers, depending on specific test needs.

The M9536A works in a number of applications that require high performance such as RF/uW, wireless communication manufacturing, BERT, radar, high-energy physics research and plasma control in Fusion research. The one-slot module controller includes an Intel Xeon L5518 quad-core processor running at 2.13 GHz, 8 GB of RAM and a 160-GB solid-state drive. It is designed for high performance software applications and for easy mobility. The new embedded controller is designed for use with recently announced high-speed digital AXIe modules such as the U4301A PCI Express Gen3 Analyzer the M9180A 12-Ga/s Arbitrary Waveform Generator and the U4154A DDR Logic Analyzer.

Designed for AXIe 1.0 systems, the M9536A boasts fast data-transfer rates using the PCIe Gen2 backplane, and uses Intel Hyper-Threading Technology to ensure that the performance required for multi-threaded applications can be achieved. To reduce test set-up time, the module is preloaded with a Microsoft Windows® operating system and Agilent I/O libraries.

"The new AXIe embedded controller is fully AXIe 1.0 compliant and is supported in the M9502A and M9505A two- and five-slot AXIe chassis from Agilent," said Larry Desjardin, general manager of Agilent's Modular Product Operation. "This product is further proof that we are continuing to expand our modular portfolio based on the AXIe standard. The embedded controller supports engineers and reduces the set up time of their test systems."

About AXIe

AXIe is a standard based on AdvancedTCA with extensions for instrumentation and test. The mission of the AXIe Consortium is to provide an open standard that creates a robust ecosystem of components, products and systems for general-purpose instrumentation and semiconductor test. AXIe leverages existing standards

from PXI, LXI and IVI. AXIe promises high scalability and performance that will address a range of platforms, including benchtop measurements, rack-and-stack modular and ATE systems. Additional details are available at www.axiestandard.org [1].

About Agilent Technologies

Agilent Technologies Inc. is the world's premier measurement company and a technology leader in chemical analysis, life sciences, electronics and communications. The company's 18,500 employees serve customers in more than 100 countries. Agilent had net revenues of $5.4 billion in fiscal 2010. Information about Agilent is available at www.agilent.com [2].

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