DIAMOND SYSTEMS CORPORATION

FeaturePak Embedded I/O Comes to SUMIT-ISM Stacks

Adapter adds FeaturePak I/O module sockets to SUMIT-ISM stacks

April 26, 2010; San Jose, Calif. -- Diamond Systems Corp., a leading supplier of ruggedized single-board computers (SBCs) and I/O expansion modules targeting real-world applications, today unveiled an adapter board that allows the use of FeaturePak I/O expansion modules in systems that provide SUMIT-ISM expansion stack locations.

The FeaturePak socket on the SUMIT/FP Adapter consumes a single PCI Express x1 lane from the SUMIT-A bus connector on the SUMIT-ISM module. The adapter provides a pair of 50-pin I/O header connectors for convenient access to all FeaturePak I/O. In addition, it includes pass-through connectors for the SUMIT-ISM stack's SUMIT-B bus and PC/104 (ISA) bus. An extended operation temperature range of -40°C to +85°C is supported.
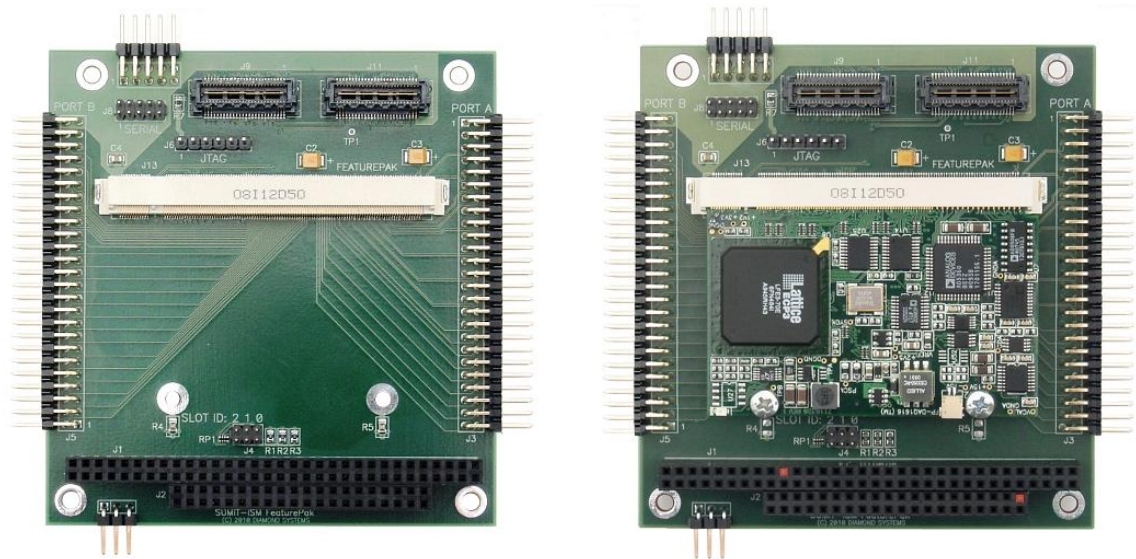
SUMIT/FP Adapter shown by itself and with Diamond's FP-DAQ1616 FeaturePak installed

About the FeaturePak I/O Module Standard

The FeaturePak specification defines tiny, application-oriented personality modules – three-fifths the size of a credit card – that snap into low cost, low profile, highly reliable sockets on single board computers (SBCs), computer-on-module (COM) baseboards, and full-custom electronic circuit boards. FeaturePak modules interface to the host system via a single low cost, high density, 230-pin connector, which carries PCI Express, USB, I^{2}C, and several other host-interface signals, plus up to 100 points of application I/O per module. The FeaturePak host interface is CPU agnostic and is compatible with both Intel- and RISC-architecture systems. Additionally, the modules can easily be integrated into embedded designs along with Qseven, COM Express, Mobile-ITX, SUMIT, PCI/104-Express, EBX, and EPIC. For more information, visit www.featurepak.org.

SUMIT/FP Adapter Pricing and Availability

Small quantities of the SUMIT/FP Adapter are available in 60 days, priced at $190.

<div align="center">– more –</div>

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About Diamond Systems

Founded in 1989, Diamond Systems Corporation is a leading supplier of compact, rugged, wide-temperature embedded computing solutions for a wide range of applications in fixed and mobile environments. The company is the originator of the FeaturePak I/O modules standard, was an early adopter of PC/104 technology and today is one of the leading worldwide suppliers of embedded I/O modules and highly integrated single board computers combining CPU and data acquisition on a single board. Diamond's extensive product line includes A/D, D/A, digital I/O, serial communications, wired and wireless networking, and power supply modules as well as single-board computers and enclosures. Diamond also offers a full range of system solutions, including the capability to customize boards or systems to meet the needs of a particular application. The privately held company is based in Mountain View, California, in the heart of Silicon Valley. For more information, visit www.diamondsystems.com or call 1-800-36-PC104.

MEDIA RESOURCES
- SUMIT/FP Adapter web page
- Hi-res photo of SUMIT/FP Adapter (jpg)
- Hi-res photo of SUMIT/FP Adapter with FP-DAQ1616 FeaturePak (jpg)
- SUMIT-ISM specification (pdf)
- FeaturePak specification (web page)

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2

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