



DIAMOND SYSTEMS CORPORATION

For Immediate Release
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“ETX To Go” Baseboard Customization Services Provide Fast, Low Risk, Turnkey ETX Solutions to Embedded OEMs

PC/104 I/O leader's technology enables rapid time to market based on proven, embedded-grade I/O circuits

April 2, 2007. San Jose, CA. Diamond Systems Corporation, a leading supplier of PC/104 I/O modules and highly integrated single board computers (SBCs) that include on-board data acquisition today announced “ETX To Go”™, a unique baseboard customization service that provides fast, low risk, turnkey ETX-based solutions to embedded OEMs. ETX To Go allows OEMs to choose from a wide range of I/O logic proven in the field with Diamond Systems’ PC/104 modules and single board computers. By using off-the-shelf I/O technology, ETX To Go significantly reduces time to production while lowering technical risk for ETX-based embedded solutions.

“Industry research shows that Computer-on-Module products such as ETX are starting to dominate medium and high volume embedded board applications”, said Jonathan Miller, President of Diamond Systems. “However, all COM designs require a custom baseboard to bring ETX I/O to connectors as well as adding I/O required by the particular application. For many ETX users, custom board design may not be within the skill set of the application developer. Others may not have resources available to begin design work immediately. Who better to bring an I/O intensive baseboard to market fast than Diamond Systems, a leader in PC/104 I/O for the past 18 years.”

ETX To Go allows an embedded OEM to choose from over 30 proven I/O technology blocks for their baseboard design. These include analog input, analog output, digital I/O, counter / timers, FPGA / logic design, autocalibration circuitry, relay outputs, optical isolation, DC/DC power supplies, battery backup and charger circuits, RS232/422/485

Custom ETX Baseboard Program Speeds Time to Market

serial ports, 10/100 and Gigabit Ethernet, CANbus, GPS, Wireless communications, USB 1.1 and 2.0, and Firewire. Circuits can be on either the ISA or PCI bus. Mini-PCI slots or Cardbus slots can be added to the system. PC/104 or PC/104-Plus expansion may be added.

And of course, since the baseboard designs resulting from an ETX To Go project are fully custom, any form factor may be chosen for the design with complete freedom to choose connectors and connector locations.

ETX To Go baseboards can be designed to be extremely rugged, with a broad operating temperature range of -40°C to +85°C and with extra resistance to shock and vibration.

Finally, should volume warrant, Diamond Systems can easily convert an ETX design to a potentially lower cost, one-board, all-in-one solution.

Price and Availability

The nature of custom designs such as ETX To Go designs is that each is priced according to the requirements of the design. ETX To Go designs can start as low as \$15000 with prototype delivery as early as 9 weeks following specification approval.

About Diamond Systems

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Founded in 1989, Diamond Systems was an early adopter of PC/104 technology and today is one of the leading worldwide suppliers of PC/104 I/O modules and highly integrated single board computers combining CPU and data acquisition on a single board. Diamond Systems' extensive product line includes A/D, D/A, digital I/O, serial communications, multifunction networking and power supply modules, single board computers and enclosures. Diamond Systems also offers a full range of system solutions, along with the capability to customize a board or system to meet the needs of a particular application. Privately held Diamond Systems is based in Mountain View, California, in the heart of Silicon Valley.

Click [here](#) to see how the application works.

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