



DIAMOND SYSTEMS CORPORATION

For Immediate Release

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NEW PC/104 SINGLE BOARD COMPUTER OFFERS COMPETITIVE PRICE / PERFORMANCE FOR A WIDE VARIETY OF EMBEDDED APPLICATIONS

Rhodeus LX800-based CPU offers mid-range performance at competitive price

July 31, 2008. San Jose, CA. Diamond Systems Corporation, a leading supplier of small form factor embedded computing solutions, today announced its latest PC/104 form factor single board computer, Rhodeus, based on the AMD LX800 processor. Rhodeus offers mid-range computing power in a compact, low power consumption and low cost PC/104 single board computer. Rhodeus is a superior choice for low cost / high volume applications with mid-range performance requirements, such as medical equipment, process control and instrumentation.

“Diamond is pleased to introduce its latest low-cost single board computer. We believe that designers who have demanding applications yet need to save space and lower costs will find Rhodeus very attractive,” said Jonathan Miller, President of Diamond Systems. “With Rhodeus, developers get the power of an LX800 processor and a broad selection of on-board I/O, all in a compact PC/104 form factor.”

Rhodeus utilizes the AMD Geode LX800 processor operating fan-less at 500MHz. It includes 64KB L1 cache and 128KB L2 cache. The board supports up to 1GB of DDR SDRAM using an SO-DIMM socket. It provides both IDE and CompactFlash mass storage options. Video consists of an integrated VGA controller with 2D acceleration and support for high resolution CRT and LCD displays. A full set of I/O is provided to support application requirements, including Ethernet, UDMA-33 IDE, 2 USB 2.0 ports, one RS-232 and one RS-232/422/485 serial port, floppy, legacy keyboard and mouse, and programmable watchdog timer. Power consumption is 5W typical, and operating temperature is 0-60°C. The board includes the PC/104 ISA bus for additional I/O expansion.

The Rhodeus single board computer is available immediately. Prices start under \$350 in small quantities for models with 256MB of DDR SDRAM. Volume discounts are available.



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About Diamond Systems

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 as well as single board computers and enclosures. Diamond Systems also offers a full range of system solutions, including 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 with its European Headquarters located in Oberglatt, Switzerland.

For more information visit www.diamondsystems.com or call 1-800-36-PC104.

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