



DIAMOND SYSTEMS CORPORATION

For Immediate Release

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NEW MID-RANGE RUGGEDIZED PC/104-PLUS SINGLE BOARD COMPUTER UTILIZES THE AMD GEODE LX800 AT 500MHZ

Pegasus' mid-range CPU performance, wealth of on-board I/O and competitive pricing make it ideal for embedded applications in harsh environments

October 28, 2008. Mountain View, CA - Diamond Systems Corporation, a leading supplier of small form factor embedded computing solutions, today announced a new ruggedized PC/104-Plus form factor single board computer, Pegasus, running the AMD Geode LX800 CPU fan-less at 500MHz. Pegasus offers mid-range computing power in a compact, low power consumption PC/104-Plus single board computer. Operating fan-less over the extended temperature range of -40°C to +85°C and ruggedized, Pegasus is a superior choice for demanding embedded applications operating in harsh environments.



“We are excited to bring this single board computer to the market. Pegasus offers excellent performance and packs a tremendous amount of I/O on-board, as well as a 2GB soldered flashdisk,” said Jonathan Miller, President of Diamond Systems. “It is the perfect complement to our Rhodeus commercial temperature SBC introduced a few months ago.”

Pegasus utilizes the AMD Geode LX800 CPU operating at fan-less 500MHz and has 256MB of SDRAM soldered on-board. Pegasus offers advanced I/O features including four USB 2.0 ports, one 10/100Mbps Ethernet interface, one RS-232 port, one RS-232/422/485 port, an Ultra DMA 33 IDE hard drive interface that supports two devices, CompactFlash, VGA/LCD graphics, and PC/104-Plus stackthrough expansion. Pegasus also offers a 2GB IDE flashdisk soldered on the board for highly reliable storage.



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Pegasus is extremely rugged, featuring 256MB of soldered SDRAM, an on-board IDE flashdisk and -40°C to +85°C fan-less operation. Hardwired jumpers and latching connectors are also available for increased resistance to shock and vibration.

Diamond Systems' Pegasus single board computer is available immediately. The model number and pricing are as follows:

PGS800-256-2G 800MHz LX800 processor, 256MB RAM on-board,
2GB on-board IDE flashdisk; \$575 quantity 1

Volume discounts are available.

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 embedded 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 small form factor 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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