



## PRODUCT CHANGE NOTICE

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**Diamond Systems announces a Continued Availability Program for all models of the Athena II and Hercules II single board computer families**

**Products:** [Athena II Single Board Computers](#)  
[Hercules II Single Board Computers](#)

**Part Numbers:**

ATHM500-256A	Athena II SBC, 500MHz VIA Mark, 256MB DRAM, on-board data acquisition
ATHM500-256N	Athena II SBC, 500MHz VIA Mark, 256MB DRAM
ATHM800-256A	Athena II SBC, 800MHz VIA Mark, 256MB DRAM, on-board data acquisition
ATHM800-256N	Athena II SBC, 800MHz VIA Mark, 256MB DRAM
ATHM800-256ALP	Athena II SBC, 800MHz VIA Mark, 256MB DRAM, on-board data acquisition, low profile heatsink
ATHM800-256NLP	Athena II SBC, 500MHz VIA Mark, 256MB DRAM, low profile heatsink
DK-ATHM500A-01	Athena II 500MHz SBC Development Kit
DK-ATHM800A-01	Athena II 800MHz SBC Development Kit
HRC800-5A512	Hercules II SBC, 800MHz VIA Mark, 512MB DRAM, on-board data acquisition, 5-28VDC power supply, operating temperature of -40°C to +85°C
HRC800-5A512E	Hercules II SBC, 800MHz VIA Mark, 512MB DRAM, on-board data acquisition, 5-28VDC power supply, operating temperature of -20°C to +70°C
HRC800-5N512	Hercules II SBC, 800MHz VIA Mark, 512MB DRAM, 5-28VDC power supply, operating temperature of -40°C to +85°C
HRC800-5N512E	Hercules II SBC, 800MHz VIA Mark, 512MB DRAM, 5-28VDC power supply, operating temperature of -20°C to +70°C
DK-HRCEBX-02	Hercules II SBC Development Kit

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This Product Change Notice is being driven by VIA's end of life announcement for its VIA Mark and companion VT82C686B Southbridge chipset. To most effectively extend the product life of the Athena II and Hercules II single board computer families, and manage associated component EOL issues, Diamond Systems is introducing a Continued Availability Program for all Athena II and Hercules II products. Customers should evaluate their future needs for Athena II and Hercules II products, and determine which of the following options best suits their needs.

### **Athena II & Hercules II Continued Availability Program Options**

- Blanket Purchase Order
- General Availability
- EOL Component Bonding Program

#### **Blanket Purchase Order with Scheduled Shipments**

Customers can place a blanket purchase order for Athena II or Hercules II products on or before August 24, 2010 for scheduled shipments on or before August 31, 2011. These blanket purchase orders will guarantee the price and availability of the ordered products. These orders are subject to Diamond's standard terms and conditions.

#### **General Availability**

Diamond will extend Athena II and Hercules II products' life beyond any specific component end of life through well planned last time component buys. Our goal is to provide general product availability for customers through August 31, 2011. After August 24, 2010 customers may continue to order products as needed, subject to availability of EOL components.

#### **EOL Component Bonding Program**

For customers who need a longer assured product life of Athena II or Hercules II products, Diamond Systems can extend the life of a product through bonding the end of life components used. In this program the customer is required to pay for a predetermined number of EOL components which will be placed in bonded storage against their future production requirements. Diamond will then build Athena II or Hercules II products in minimum quantities over an agreed upon period of time. Customers who are interested in this program need to contact Diamond Systems before August 24, 2010.

Costs associate with this program are:

Bonded Program Administrative Fee: \$500 onetime fee up front

Initial EOL Component Kit Price: \$65 per initial kit (minimum quantity of 100 kits)

Initial EOL Component Kit contents:

VIA Mark CPU (with integrated Northbridge chip)

VIA Southbridge chip

Annual Maintenance Fee: 10% of total value of Component Kits in bonded storage at the beginning of each 12 month period.

The annual fee is pre-paid for each 12 month period.

The first year's maintenance fee is included in the price of the Component Kit.

Quarterly BOM Review: Diamond will review bills of materials to identify additional EOL components which need to be added to the Component Kit over time.

The price of future product orders will be reduced by the price of the Component Kit.

Component Kits in storage for more than 12 months without any account activity will trigger an account review with the customer. If no foreseeable demand exists, the parts will be delivered to the customer.

The EOL Component Bonding Program is available through December 31, 2014.

### **Migration Strategies**

Diamond has form-factor compatible replacements for Athena II and Hercules II single board computers under development (see below). At the present, Diamond offers a range of single board computers and computing systems that are also possible replacements, depending on your specific needs. Viable options include these [Helios](#), [Magellan](#) and [Poseidon](#) products:

HLV800-256AV	Helios SBC, 800MHz Vortex86DX, 256MB RAM, full data acquisition, VGA/LCD video
HLV800-256DV	Helios SBC, 800MHz Vortex86DX, 256MB RAM, digital I/O, VGA/LCD video
MAG-Z510-1G	Magellan ERS, 1.1GHz Atom Z510 CPU, 1GB soldered-on SDRAM, conduction thermal solution
MAG-Z510LC-1G	Magellan ERS, 1.1GHz Atom Z510 CPU, 1GB soldered-on SDRAM, conduction thermal solution, +12V input only
PSDE10-512A	Poseidon SBC, 1GHz, 512MB RAM, on-board data acquisition
PSDC20-1024A	Poseidon SBC, 2GHz, 1GB RAM, on-board data acquisition

Diamond has a family of Intel-based single board computers under development in the same form factors as Athena II and Hercules II with similar I/O and comparable pricing. We expect to announce these products in Q1 2011. These products will provide customers with a smooth transition for validation and migration to next generation products with minimal disruptions. The features of these new products include:

- Intel Atom CPU
- 1GB soldered-on SDRAM
- 4 USB 2.0 ports
- 4 RS-232/422/485 serial ports
- Gigabit Ethernet
- 1 SATA port
- Socket for USB flashdisk up to 8GB
- LVDS and VGA display interfaces
- Optional on-board data acquisition circuit
- +5VDC input (DC/DC power supply for EBX SBC)
- -40°C to +85°C extended temperature

For more information, please feel free to visit us on the web at [www.diamondsystems.com](http://www.diamondsystems.com) or call Diamond Systems at (650) 810-2500.