



## Hercules to Hercules II Migration Guide

The Hercules II EBX family is upward compatible from the original Hercules EBX products. However, there are a number of important changes to Hercules II EBX which make it a superior single board computer for applications which require data acquisition. These changes are as follows:

Feature	Original Hercules EBX	Hercules II EBX
Processor	Via Eden at 550MHz or 750MHz	800MHz Via Mark CoreFusion CPU
Chipset	Via VT8606 + Via 82C686B	Via Mark (VT8606 integrated) + 82C686B
Cooling	Fanless at 550MHz, Fan at 750MHz	Fanless at 800MHz
USB ports	4 USB 1.1 ports	4 USB 1.1 ports, 4 USB 2.0 ports
Memory	128MB (550MHz) or 256MB (750MHz)	512MB with data acquisition 256MB without data acquisition
Serial Ports	(2) RS232; (2) configurable RS232/485	(2) RS232; (2) configurable RS232/422/485 RS422 for COM3/COM4 is jumper enabled
RoHS	No	Yes (DAQ version will be available August, 2007)
Mechanical	EBX compatible footprint and mounting holes; heatsink height 0.51"	EBX compatible footprint and mounting holes; Heatsink height 0.95"

No software, cabling or jumper changes are required. The connectors are of the same types and have identical pinout. The CRT, TV-Out and Fan connectors have all shifted slightly but remain in the same general area. Connectors for the four USB 2.0 ports have been added. The data acquisition section has not changed.

### Part Number Transition

Users of original Hercules Part Number . . .	Should Order New Hercules II Part Number
HRC550-5A128	HRC800-5A512
HRC550-5N128	HRC800-5N256
HRC750-5A128	HRC800-5A512
HRC750-5N128	HRC800-5N256

### More Information

Detailed information about Hercules II EBX, including a data sheet, user manual and ordering information, may be found at [www.diamondsystems.com/products/herculeseb](http://www.diamondsystems.com/products/herculeseb)