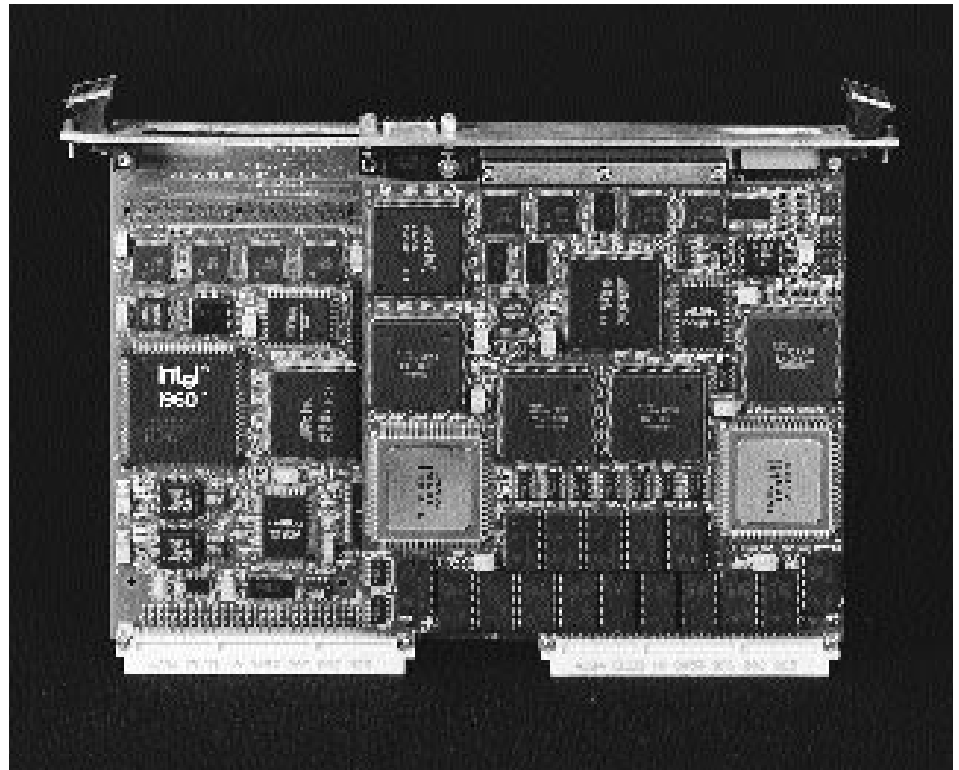


## SKYbolt II\* Family

- Four i860™ Processors in a Single 6U VME Slot Provides 320 MFLOPS of Processing Speed
- i960 CA® Processor Handles Interrupts and I/O
- 320 Mb/sec. SKYchannel Packet Bus For on Board Communication
- 320 Mb/sec. Off-Board Communication Via the SKYchannel Backplane
- 16/64 Mb of Memory Per Daughtercard Can be Shared or Distributed
- i860 Processors Can Operate as a Cluster of Four or Can Operate Independently
- Scalable Multiprocessing Delivers Up to 1024 Processors on 256 Boards
- Easy to use SKYvec Software Development Environment Speeds Development Time
- SKYvec Compilers Automatically Optimize, Strip-Mine, Vectorize and Parallelize Your Application Code
- Configurable Memory Size and I/O Bandwidth Match Application Requirements

The SKYbolt II\* family of VME accelerators provides a truly balanced architecture. SKY combines advanced processing, software, and data transfer technologies to achieve high levels of performance, flexibility, and ease-of-use for embedded applications. SKY's exclusive 320 MFLOP Shamrock II\* daughtercard utilizes our Parallel Compute Cluster\* architecture to provide seamless parallel performance.

To capitalize on the hardware performance of SKYbolt II, the SKYchannel\* Packet Bus provides data bandwidth that matches MFLOPS with Mb/sec. At 320 Mb/sec. SKYchannel doubles the data transfer performance of other architectures. Software completes the balanced solution. The SKYvec Software Development Environment provides automated compilers, fully vectorized



libraries, and extensive tools. SKYvec tools deliver increased performance automatically in an easy-to-use package.

The SKYbolt II family uses an i960 CA superscalar processor chip located on the motherboard to manage all I/O tasks, freeing the i860 processors on the Shamrock daughtercard for their role as compute processors. The i960 processor is optimized to handle these operating system and I/O functions, and the compute power of the i860 processors is focused on solving the application problem.

HOST SYSTEMS SUPPORTED:  
VME-based computing systems

PROCESSORS SUPPORTED:  
i960 CA Processor

CONTACT:  
SKY Computers, Inc.  
27 Industrial Ave.  
Chelmsford, MA 01824  
Phone: (508) 250-1920  
FAX: (508) 250-0036  
Intel Contact: Rich Jaenicke

