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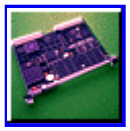
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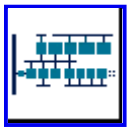
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COMPUTER PRODUCTS
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Powerful Products for Communications

V4F CPU Board

VME Board for Embedded Real-Time Applications





- 33 MHz MC68040 CISC processor for high-speed integer and floating point performance
- 8 or 16 Mbytes of 2-way interleaved DRAM
- Optimized VME64 interface for demanding multiprocessing applications
- Master/Slave VSB interface for efficient bus utilization
- Flexible Corebus expansion bus fits standard and custom modules
- Two front-panel serial interface ports for flexible I/O
- In-house support for VxWorks and OS-9 real-time operating systems and development environments
- Quality assured by more than 20 years of experience, ISO 9001 certification and exclusive Gauntlet testing

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Heurikon's HK68/V4F CPU board is designed to be a platform for a wide range of embedded real-time applications, including simulation, image processing, printing, data acquisition and industrial control. The V4F's VSB interface complements the VME interface by providing a private data transfer bus for images and other data records.

Based on the industry standard Motorola MC68040 processor, the V4F offers excellent floating point and integer performance at a low cost. The V4F's Corebus mezzanine interface allows flexible expansion through standard or custom modules. The Corebus interface offers a full 32-bit data path operating synchronously with the system clock to allow the addition of high-performance I/O or coprocessors.

The V4F is ideally suited for applications requiring multiple processors in the VME backplane. Heurikon verifies the design of its CPU boards in a rigorous test suite called the Gauntlet. The Gauntlet consists of a series of tests for arbitration, interrupts, and data transfers, all executed in a fully-loaded 21-slot VMEbus backplane over an extend time period. Wind River Systems' VxWorks and Microware's OS-9 software provide users with powerful real-time operating systems and a rich set of development tools.

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