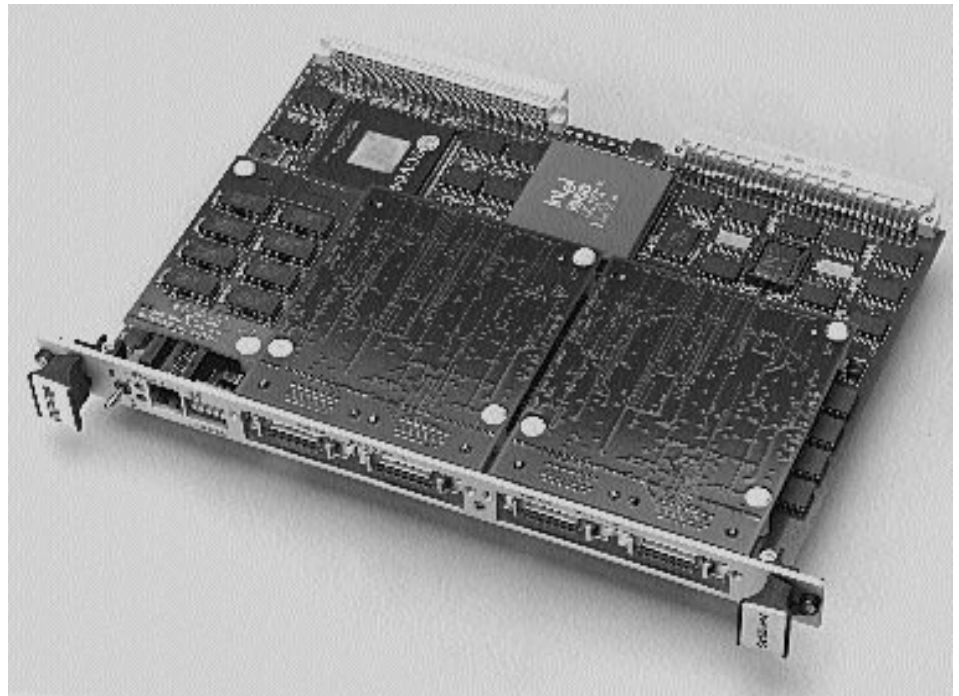


## CVME964 Single Board Computer



- i960® CF RISC Microprocessor  
Operating at 33 MHz
- 2 or 4 Mbytes of Interleaved Fast  
Page Mode Private DRAM
- 4, 8, 16, 32 Mbytes of Fast Page  
Mode Shared DRAM
- VME64 Master/Slave Interface
- VME64 DMA Controller
- Two Squall II I/O Module Positions  
Up to 1 Mbyte of EPROM
- Console Serial Port
- Three 16-Bit Counter/Timers
- 1 Kbyte EEPROM Non-Volatile  
Storage



The CVME964 Single Board Computer is a powerful single board computer that has been optimized for intelligent I/O, communications, and data acquisition applications. The board is based on a triad of features: the i960 CF microprocessor with accompanying private and shared DRAM; a fast VME64 interface; and dual Squall II Module positions.

A private memory of 2 or 4 Mbytes of interleaved fast page mode DRAM is closely linked to the i960 CF microprocessor. This private memory provides ample room for program code close to processor. A shared second memory of up to 32 Mbytes can be accessed by the processor, the VME interface, and both Squall II Modules. The segmentation of the memory allows intelligent devices on Squall II Modules or the VME64 interface to DMA into and out of shared memory without interrupting the processor's access to the private memory.

The VME64 interface has a DMA controller that can perform D32 and D64 VMEbus block transfers between the local shared DRAM and another VME memory.

The CVME964 also supports dual Squall II Module locations. Squall II Modules allow for the addition of intelligent I/O to the CVME964. Squall II Module interfaces are available for ATM/DS-3, High-Speed Serial, SCSI, and Ethernet.

The CVME964 supports the Intel GNU960 as well as pSOSystem and VxWorks real-time operating systems.

HOST SYSTEMS SUPPORTED:  
Any VME system

PROCESSORS SUPPORTED:  
i960 CF Processor

AVAILABILITY:  
Now

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