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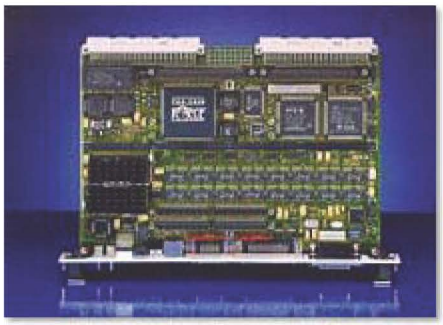
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Find the *Emerson / Motorola / Force Computers SPARC CPU-7V* at our website: *Click HERE*

SPARC CPU-7V

High-end TurboSPARC performance and SPARCstation 5 compatibility in a single VMEbus slot

Benefits



- **Highest available SPARC performance in a single slot**—170 MHz TurboSPARC processor.
- **Reduces time to market**—Runs all SPARCstation software and maintains investment in application software.
- **Easy performance upgrade of existing applications**—seamless upgrade from the Force SPARC CPU-5V.

The SPARC CPU-7V™ offers the best overall performance value for running UNIX-based applications on the rugged and reliable VME architecture. Featuring Fujitsu's TurboSPARC microprocessor running at 170 MHz, the SPARC CPU-7V delivers 97 SPECint92 and 91 SPECfp92. With the SPARC CPU-7V, you can purchase the memory you need with 64 MByte of on-board DRAM and field-upgradeable memory in 64 MByte mezzanine modules with support for configurations of up to 192 MByte.

Protect software investments.

Featuring 100% SPARCstation® compatibility, the SPARC CPU-7V protects investments in software development. This board packs incredible performance value into a single VMEbus slot for embedded applications. Full compatibility with Force's SPARC CPU-5V provides a seamless upgrade path and helps you maintain production efficiency.

Develop and deploy platform.

The integral workstation-type I/O make this board the ideal platform to develop and deploy powerful Solaris and real-time applications. The VME64 and SBus interfaces enable the expansion of I/O, and provide the necessary hardware interfaces to high-performance subsystems typically required in telecommunications, command & control, industrial control, and imaging applications.

SPECIFICATIONS ▶

- **Processor Subsystem**
  - **Processor**
    - TurboSPARC at 170 MHz
    - 97 SPECint92, 91 SPECfp92
  - **Local Bus**
    - SBus running at 21.25 MHz

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- **Main Memory**
  - 64 MByte DRAM on the base board
- **Memory Modules**
  - Two, 64 MByte, field-upgradeable(up to 192 MByte total)
- **User Flash**
  - 2 MByte on the base board
- **Boot Memory**
  - Up to I MByte Flash Memory

- **VME Interface**
  - **Device**
    - FGA5000, direct SBus-to-VME64
  - **Master**
    - A32, A24, A16. D64, D32, D16, D8 MBLT, BLT
  - **Slave**
    - A32, A24, A16. D64, D32, D16, D8 MBLT, BLT, UAT
  - **Multiprocessing**
    - Mailboxes, Semaphores, 7-level interrupt handler, Force Message Broadcast
  - **System Controller**
    - VMEbus system controller with 4-level arbitration
  - **DMA Controller**
    - Integrated into FGA5000. Up to 40 MBytes/sec VME transfer performance

- **I/O Capabilities**
  - **Ethernet**
    - 10 Mbits/sec Ethernet. AUI on front panel (FP) and P2
  - **SCSI**
    - 10 MBytes/sec fast SCSI-2.1/D on FP and P2
- **I**
  - **Parallel**
    - 3.2 MBytes/sec Centronics-compatible parallel on P2
  - **Serial I/O**
    - Two channels via 16C550, RS-232 I/O on FP
  - **Additional I/O**
    - Floppy disk interface on P2
    - Keyboard/mouse on FP and P2
  - **SBus Expansion**
    - Two slots, conforming to IEEE 1496-1993

- **Software**
  - **Operating Systems**
    - Solaris 2.5 and 1.1.2 both with VMEbus driver
    - Third Party RTOS support.

- **Environmental**
  - Temperature Operating: 0°C to +55°C Storage: -40°C to +85°C
  - Humidity: 5% to 95% noncondensing
  - Power Consumption: +5V: 5A +12V: 0.7A -12V: 0.2A

- **Dimensions**
  - Single Slot 6U VME 160.00 x 233.35 mm / 6.29" x 9.18"

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