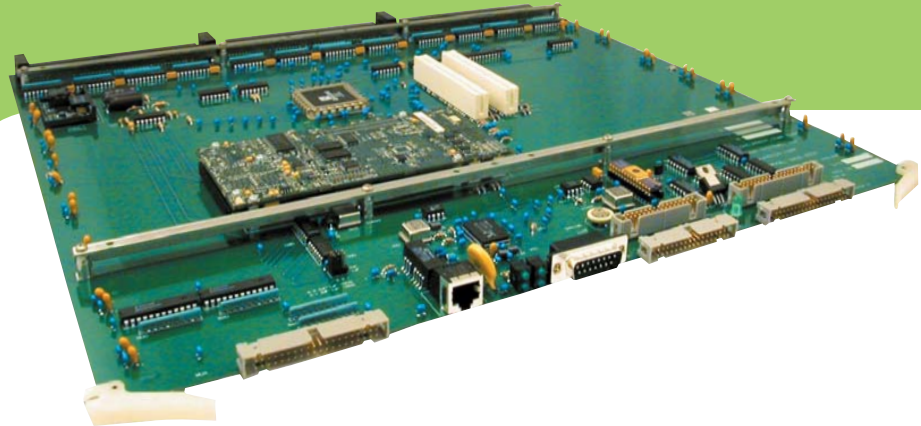


Features

- One PowerPC™ 750 processor
- Up to nine times the application computational performance of a Model 3280 CPU
- 32, 64 or 128 MB ECC memory
- Three DMA bus interfaces
- One MUX bus interface
- Two available PCI slots
- Complete support for OS/32 and all Series 3200 system software products
- Full application software compatibility with all Concurrent Series 3200 systems
- Control/Diagnostic System (CDS) that provides assistance in independent subsystem fault detection, diagnostics execution, and error reporting
- Optional 10/100BaseT Ethernet™ controller
- Optional Fibre Channel peripherals
- Optional multi-system shared memory

Model 3200-2000

The Next Generation 3200



Overview

The Model 3200-2000 computer system is the newest member of Concurrent Computer Corporation's family of high-performance Series 3200 platforms. Model 3200-2000 provides the processing power and system throughput required by the most demanding fault-tolerant, real-time applications. This system features improved computational speed, microsecond interrupt handling, high system I/O throughput, and extensive system connectivity. Supported by Concurrent's optimized OS/32 real-time operating system, Model 3200-2000 provides the response needed by today's mission-critical, high-availability application environments.

The Model 3200-2000 processor offers up to nine times the application computational performance of a Series 3200 Model 3280 processor. All system memory and DMA bus interfaces are provided directly on the 3200-2000 processor module. Reduced system maintenance costs are achieved by integrating key Series 3200 functionality on a single 17" board.

System Description

At the heart of this system is a single board engine featuring an industry-standard Motorola PowerPC processor with Flash-stored software that fully emulates the Series 3200 architecture. The processor board includes a PowerPC 750 processor; 32 to 128 MB of user-available ECC memory; CDS/Console interface; one MUX bus interface; and three DMA bus interfaces.

Model 3200-2000 is available as a complete computer system or as a processor board upgrade to previous Series 3200 systems. The system includes a chassis, a power subsystem with battery backup, cooling, Multiperipheral Controller, a console device, and system documentation. A Model 3200-2000 processor board upgrade kit can be used to increase the performance of installed Series 3200 S-bus or non-S-bus systems. Simply remove all CPU, memory, and XMI/DMI boards and replace them with the 3200-2000 processor board.



Integrated Solutions... Real Benefits

Series 3200 Compatibility

Model 3200-2000 is fully compatible with the I/O subsystems of installed Series 3200 systems. All selector channels, device controllers, and any user-written device drivers may be retained when upgrading to a Model 3200-2000. The Model 3200-2000 fully supports the standard Concurrent OS/32 operating system (revision 8.3 and above), all OS/32 utilities, and all Series 3200 diagnostics, as well as all Series 3200 language, data management, and data communications software. The Model 3200-2000 is designed to support the execution of all user application code without modification. Some user tasks that have inherent run-time timing dependencies may require minor changes.

Specifications

Processor

- 233, 350, 450 or 700 MHz PPMC750

Performance

- S-Bus version: Up to 9 x Model 3280
- Non-S-Bus version: Up to 38 x Model 3250/3212

Main Memory

- 32, 64 or 128 MB user-available ECC; 100 MHz

DMI Support

- Up to eight selector channels per DMA bus
- Three DMA buses per system
- 20 MB per second max input per DMA bus
- 20 MB per second max output per DMA bus

Fibre Channel I/O

- Fibre Channel PCI controller
- 8-slot peripheral chassis
- 36 GB Fibre Channel disk drive
- Multi-chassis cabling (up to 4 chassis)

Ethernet

- On-board 10/100BaseT Controller
- TCP/IP software & OS/32 driver

Shared Memory

- Shared memory PCI controller
- 8-port shared memory hub
- Multi-system cabling

Environmental

Temperature

- Operating: 0° C to 50° C
- Storage: -55° C to 85° C

Humidity (non-condensing)

- Operating: 10% to 90%
- Storage: 95% max

Vibration

- 5 to 55 Hz at 1.25

Altitude

- 3,050m (10,000 ft.)

Power

- Domestic: 120/208 VAC, 30 amp, 4-wire grounding, 2-phase, 30A
- International: 200-240 VAC, 30 amp, 3-wire grounding, 1-phase, 30A
- Frequency: 47 to 63 Hz

Cabinet

- Dimensions: 56" (h) x 24" (w) x 34" (d) (142 cm x 61 cm x 86 cm)
- Weight: 200 to 550 lbs (91 to 250 kg)

Standards

- Safety: UL 1950, CSA 22.2 #950, TUV EN 60950



concurrent

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