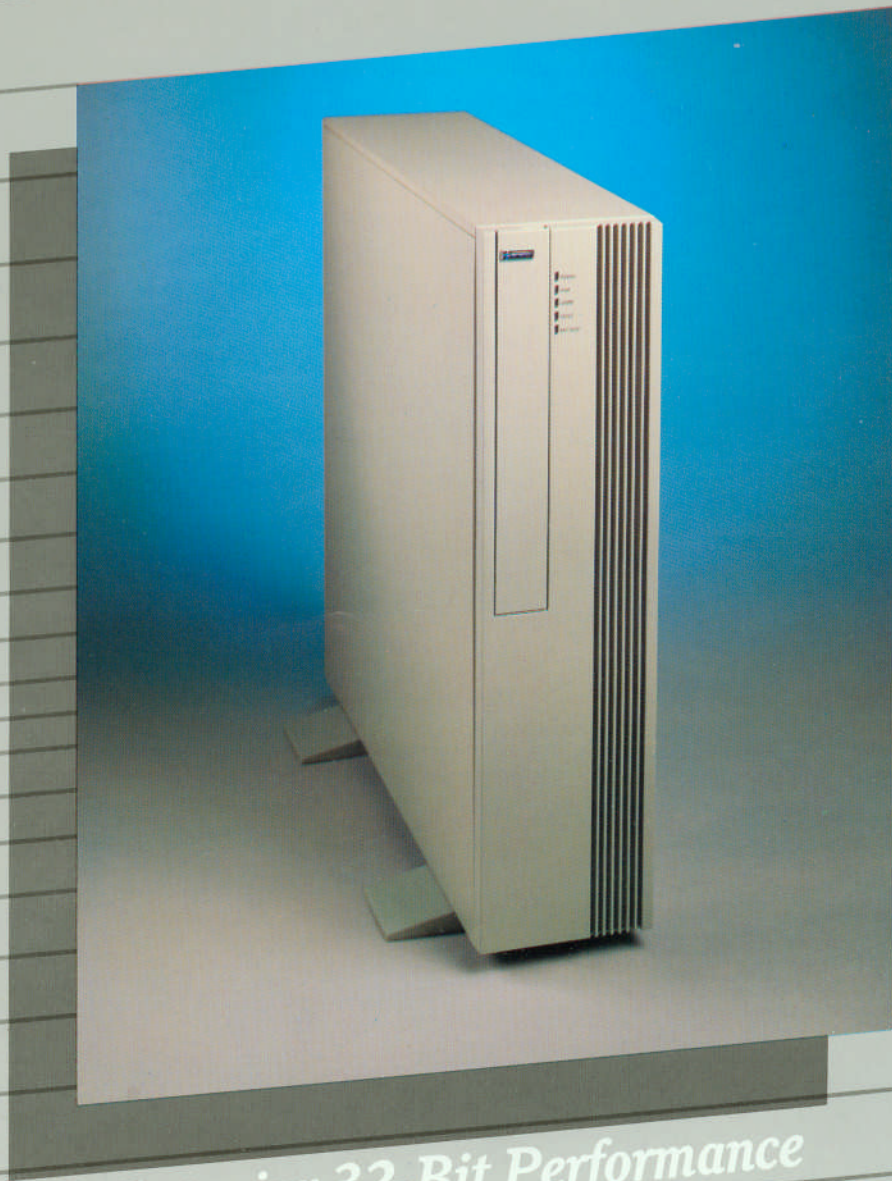


**SERIES 5000**

**Model 50**



*Superior 32-Bit Performance*

 SPERRY



Sperry Corporation introduces an integral part of its commitment to make the UNIX\* System V Operating System available from micro to mainframe—the Series 5000 Family of multi-user microsystems.

The Series 5000 includes several models, designed to serve a wide range of users. All systems use the Motorola MC680XX microprocessor family as the foundation for their advanced system architecture.

Our commitment to the UNIX System V Operating System is the most comprehensive in the industry today. In addition to the Series 5000, it includes the SPERRY Personal Computer, the Series 7000 supermini and the Series 1100 Family of Mainframes.

**Model 50 Features**

The SPERRY Series 5000 Model 50 is a powerful, low-cost system and supports up to 32 users. It features:

- A processor design that uses the MC68020\*\* microprocessor and operates at 16.67 MHz.
- Optional floating point processor.
- A dual bus design that decentralizes and delegates functions to allow multiple operations to proceed concurrently, independently and without contention.
- 32-bit memory access with virtual memory management and 8KB of cache. The system can grow to 16MB of memory.
- Intelligent I/O subsystems for high performance and high system throughput.
- Strict adherence to industry standards for connecting printers via the RS232 and Centronics interfaces.
- Use of the MULTIBUS\*\*\* I/O design that allows you to attach controllers other than those provided by Sperry.
- Battery backup, provided as a standard feature, that protects the contents of memory in the event of a power failure.
- A compact design, packaged in a table high, floor-mount cabinet designed to be installed by customers.
- Uses major component parts and subsystems that provide automatic self testing. When problems are detected in the system, the location and nature of the difficulty is displayed.
- Can be tested remotely to pinpoint problems in any of the major subsystems.

All of these features make the Series 5000 Model 50 ideal for bringing the powerful, multi-tasking UNIX System V Operating System, the industry standard multi-user operating system, into your business.

An economical multi-user system, the 5000/50 can be used as a departmental computer server or for stand alone applications in an entry level environment.

Since the UNIX System V Operating System simplifies application portability from computer system to computer system, the Model 50 is an ideal platform for developing applications and solutions that can be used on other Sperry UNIX Systems.

**SERIES 5000**  
**MODEL 50**  
**SYSTEM SPECIFICATIONS**

<b>Processor</b>	
Basis:	MC68020
Clock Rate:	16.67 MHz
Local Memory:	8 KB cache
<b>Memory</b>	
Capacity:	2–16 MB 1, 2, or 4 MB boards (Max. 4)
Buswidth:	38 bits—2x16 data, 6 ECC
Error Management:	Single bit correction; double bit detection
<b>Expansion Cabinet</b>	
Number:	1–2
Tape/Disk (per cabinet):	1 (1600/3200 BPI) and 1-2 (340 MB)
<b>Disk</b>	
Type:	85 MB, 5¼" fixed 140 MB, 5¼" fixed (processor cabinet only) 340 MB, 9" fixed (expansion cabinet only)
Processor Cabinet Capacity:	85–280 MB
Expansion Cabinet Capacity:	340 MB–680 MB
System Capacity:	85 MB–1.64 GB
<b>Tape</b>	
Type:	45 MB, ¼" cartridge 1600/3200 BPI, ½" reel
Maximum:	1 (¼" cartridge) 2 (1600/3200 BPI, ½" reel)
<b>Diskette</b>	
Type:	1 MB 5¼"
Maximum:	1
<b>Terminal</b>	
Sperry PC:	All models
Sperry Video Terminals:	SVT 1210, SVT 1220

<b>Printer</b>	
Correspondence Quality:	Model 31 (55 cps)
Matrix:	Model 25 (160/40cps) Model 35 (400 cps)
Laser:	Model 47 (20 ppm)
Line:	0789 (640 lpm)
<b>Communications</b>	
Terminals:	• Asynchronous
Network/Protocols:	• Sperry DCA —UNISCOPE —IS 5000 • IBM SNA —3270 —3770 • IBM BSC —3270 —2780/3780 • ETHERNET† —TCP/IP • X.25 —DDN —PDN
<b>Processor Cabinet</b>	
Size:	Height 29" (73.66 cm) Width 7" (17.78 cm) Depth 27" (68.58 cm)
Maximum Weight:	123 lbs (55.9 kg) max.
<b>Expansion Cabinet</b>	
Size:	Height 29" (73.66 cm) Width 22" (55.88 cm) Depth 35" (88.90 cm)
<b>Electrical</b>	
Line Voltage:	100/120/220/240 VAC
Line Frequency:	50/60 Hz
Battery Backup	
<b>Environmental</b>	
Operating Temperature:	41°F to 113°F (5°C to 45°C)
Relative Humidity:	10% to 90%

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\*\*MC68020 is a trademark of Motorola Corp.

\*\*\*MULTIBUS is a trademark of Intel Corp.

†Ethernet is a trademark of XEROX Corp.

