supermax

TECHNICAL HIGHLIGHTS

Model: Compact
Main CPU's: 1
Max number of workstations supported: 32
Disk capacity:
85-760 MB, 170 MB typical
Expansion slots: 1

Model: Slimline
Main CPU's: 1
Max number of workstations supported: 64
Disk capacity:
85 MB – 5 GB, 380 MB typical
Expansion slots: 3

Model: Vertikal
Main CPU's: 1-8
Max number of workstations supported: 512 (soon 1024)
Disk capacity:
85 MB up to more than 30 GB, 760 MB typical
Expansion slots: 9 + 12

Model: Rack
Main CPU's: 1-8
Max number of workstations supported: 512 (soon 1024)
Disk capacity:
85 MB up to more than 30 GB, 760 MB typical
Expansion slots: 9 + 12

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■ CENTRAL PROCESSING UNITS:

Up to 8 main CPUs supporting user-mode applications:

MC68020 CPU:

Based on 20 MHz Motorola 68020 processor with 16 KB of instruction and data caches and MC68881 IEEE floating point unit (16 MHz).

MC68030 CPU:

Based on 25 MHz or 33 MHz Motorola 68030 processor with 128 KB og instruction and data caches and MC68882 IEEE floating point unit (20 MHz or 25 MHz).

R3000 CPU:

Based on 20 MHz or 25 MHz MIPS R3000 processor with 128 KB of instruction and data caches and R3010 IEEE floating point unit.

Supermax® Vertical and Rack systems may use processors of the same type or a combination of MC68030 and R3000.

■ MEMORY OPTIONS:

Maximum total memory per CPU is 256 MB in increments of 1 MB and 4 MB. Memory expansion moduls have 1-4 increments (1-16 MB) with error correcting code (ECC).

■ INTELLIGENT I/O CONTROLLERS:

Up to 16 intelligent units supported including up to 8 main CPUs.

DIOC (Disk I/O Controller).
Supports 4 serial ports, streaming tape unit, floppy drive, ½'' tape drive, optical disks and up to 6 SCSI Winchester disks.

DIOC III (High Performance Disk I/O Controller).
Supports streaming tape unit and floppy drive. Provides 2 SCSI busses for connection of up to 2*7 Winchester disk drives. Supports disk mirroring and disk striping.

SIOC (Serial I/O Controller).
Supports 8-63 serial, asynchronous devices: terminals, printers and modems. In addition a parallel Centronics printerport is provided.

CIOC (Communications I/O Controller).
Supports 2 independent synchronous communication ports for BSC, SDLC, HDLC protocols at speeds up to 64 kbps. V.24/RS232C, V.11/RS422 and X.21 interfaces are provided.

NIOC (Network I/O Controller).
Supports 32 or 64 logical ports for terminal, printer and PC devices connected through Supermax LAN (Ethernet®, IEEE 802.3). Supports TCP/IP and ScaNet®.

■ DISK OPTIONS:

85, 170, 380 and 760 MB Winchester disks.
1 GB optical disk.

■ TAPE BACK-UP:

60 and 150 MB streaming tape.
2 GB 8 mm video streaming tape
1600/3200 bpi and 1600/6250 bpi ½'' tape stations.

■ UPS:

1000 VA and 2000 VA No-break systems.

■ DISKETTE STATION:

5¼'' floppy drive supporting DDE format (560 KB) or MS-DOS® format (360 KB and 720 KB).

■ TERMINALS, PRINTERS AND PCs:

Supermax supports a wide range of terminals, printers and workstations. DDE supplys devices supporting ISO/DIS 8859 character set. VT100/VT200® and IBM PC/PS® compatible devices are recommended.

■ OPERATING SYSTEM:

The Supermax system is based on UNIX® System V. The operating System conforms to AT&T's System V Interface Definition (SVID) and has passed AT&T's System V Verification Suite (SVVS). The System has been enhanced with dynamic load balancing, virtual terminal interface and supports the international 8-bit ISO/DIS 8859 character set.