# Apollo Domain Systems

## Product Enhancement

Apollo Computer, Inc. has added to its Domain Systems with the introduction of the DN560 color workstation, the DN330 workstation, and the DSP90 server processor. The company also announced: expanded disk capacity; communications packages; a laser printer; and a tape drive. The new products are aimed at workstation users in technical industries needing graphics systems and networking capabilities. Apollo also reduced memory prices up to 27 percent on its family of Domain workstations and server processors.

The DN560, the DN330, and the DSP90 server processor are all based on Motorola's 32-bit 68020 microprocessor. The DN560 features a dedicated, bit-sliced graphics processor, integrated hardware floating point, a 19-inch 1024-by-800 resolution color monitor, and a detachable keyboard. The DN330 features a 17-inch, 1024-by-800 bit-mapped monochromatic display, floating point unit, detachable keyboard, and a local area network interface. Both workstations can be configured with 2 to 3MB of main memory. The DSP90 server processor is configured with 2MB of memory, dedicated floating point co-processor, a five-slot IEEE-P796 multibus adaptor, two asynchronous I/O ports, and a network interface: it provides 64MB virtual address space per process.
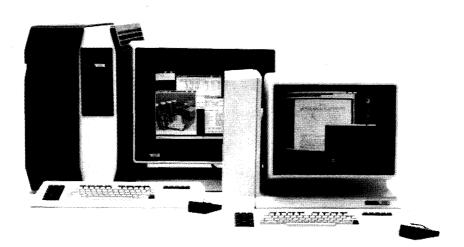
Disk capacities (Model MSD-86M) for the DN550 and the DN560 workstations have been enhanced. Model MSD-86M expands the 86MB disk to a dual 86MB configuration, totaling 172MB of storage (138MB formatted space).

Apollo announced three communications packages: Domain/Vaccess; Domain/SNA; and Domain/PCI. The Vaccess package distributes DEC VAX/VMS resources across a Domain network. SNA allows Domain users to share resources with IBM computers through IBM-compatible System Network Architecture. The PCI communications package allows IBM PC users to communicate and share resources in a Domain system.

The Domain/Laser-26 laser printer prints up to 26 pages of text and graphics per minute, at 300 dots per inch resolution, according to the company. The printer can be configured as a shared resource on a transparent Domain network.

The dual-density tape drive, Model MSD6250, can be used with the Domain local area network-based workstations and server processors. The MSD6250 can read or record half-inch tapes in both the 6250 bytes per inch (bpi) format and the 1600 bpi phase encoded format. It also offers a 128KB data buffer.

The announcement of two more Apollo workstations strengthens the company in the workstation marketplace. With the introduction of the DN560 color workstation, Apollo has fortified itself in CAD/CAM, design and modeling, and decision-support applications. Apollo competes primarily with Sun Microsystems, manufacturers of workstation-based systems linked by a network. Apollo also competes with Harris Corporation's Harris Stations workstations in technical and scientific applications. The new products also answer the challenge posed by Digital Equipment Corporation's announcement of the VAX Station II.



*The color graphics DN560 (left) and DN330 are the newest members of Apollo's family of Domain workstations. Both models are based on Motorola's 32-bit 68020 microprocessor.*

# Apollo Domain Systems

# Product Enhancement

# EQUIPMENT PRICES

|  |  | Purchase Price ($) |
|---|---|---|
| **WORKSTATIONS** | | |
| DN330 | 1 MIP, desktop workstation with 2MB memory, 17-inch 1024-by-800 bit-mapped monochromatic display, integrated floating point, keyboard, LAN interface, 2 RS-232-C serial ports, network management utilities. | 15,900 |
| DN330 | 1 MIP, full-configured, plus 70MB disk, removable media, and mouse. | 26,800 |
| DN560 | 1 MIP, color workstation with 2MB memory, 1MB display memory, 19-inch 1024-by-800 bit-mapped color display, floating point unit, keyboard, LAN interface, and network management utilities. | 35,500 |
| DN560 | 1 MIP, fully configured, plus 86MB 5¼-inch Winchester disk, removable media, and mouse. | 46,400 |
| DSP90 | Domain server processor with 2MB memory floating point co-processor, 64MB virtual address space per process, 2 asynchronous I/O ports, and network interface. | 18,000 |
| **MASS STORAGE** | | |
| MSD-86M-86M | Dual 86MB, 5¼-inch Winchester disk for DN550/DN560 | 12,500 |
| ADD-86M | Additional 86MB disk drive for add on to MSD-86M single 86MB disk | 4,500 |
| MSD6250 | Dual-density tape drive | 26,000 |
| **COMMUNICATIONS** | | |
| Domain/Bridge-A | Industry standard T1 class carrier link. | 8,400 |
| Domain/Bridge-B | Industry standard coaxial link. | 8,900 |
| Vaccess-1 | Hardware/software communications product sharing files from DEC VAX across network of Domain workstations; license per site (up to 100 nodes). | 5,000 |
| Domain/SNA | SNA 3270 emulator; (license per node: $1,700). | 7,000 |
| SNA 3770 | SNA 3770 emulator; (license per node: $1,700). | 7,000 |
| ComController | Intelligent networking interface controller; mounts in a Multibus slot on a DSP80A, DSP90A, or a DN550/560 node; supports 2 RS-232 interfaces. | 5,900 |
| PCI-1 | PCI-1 connects personal computer to Domain workstation. | 500 |
| PCI-8 | PCI-8 connect up to 8 IBM PCs and hardware-compatible PCs to Domain workstation. | 6,400 |
| **PRINTERS** | | |
| HCD-LP26C | Laser-26 printer; centronics parallel version for Multibus connection. | 34,900 |
| HCD-LP26S | Laser-26 printer; serial version for RS-232 connection. | 31,900 |
| KIT-LP26C-UJ | Laser-26 printer; serial to parallel version; contains IKON controller board. | 4,000 |

# SOFTWARE PRICES

|  |  | License Fee ($) |
|---|---|---|
| **APPLICATIONS** | | |
| HDC-MMP | PostScript driver for multimode printer. | 500 per node |
| Versatec V-80 | PostScript driver for plotter. | 1,040 □ |