now available in 16 million colors.

APOLLO'S DN600 HIGH PERFORMANCE, FULL COLOR GRAPHICS COMPUTATIONAL NODE PUTS UNPRECEDEDENT POWER ON YOUR DESKTOP.

The DN600 computational node for engineering, scientific, and CAD/CAM users provides performance and flexibility unavailable in any other computer graphics system. The unique DN600 integrates a high performance superminicomputer with a full color graphics system, eliminating the performance bottlenecks associated with traditional processors and stand-alone graphics terminals.

Like all Apollo nodes, the DN600 has a 32-bit central processor, 16 million bytes of virtual address space and support for up to 3.5 million bytes of main memory. In addition, the new color node has up to 2 million bytes of dedicated display memory, more than the total capacity of many other computer systems. Display memory can be used to store fonts, graphic templates, parts of oversized images, or the next image in an animated sequence. The DN600 provides 320 million bit-per-second area fills, so the entire screen can be changed in about 1/30 of a second.

The DN600's 19-inch, high resolution display offers a selection of more than 16 million colors and lets users select from seven interactive and imaging modes. Users can choose from a combination of 1024 x 1024 and 512 x 512 pixel resolution and 4, 8, or 24 planes for different levels of color selection.

The DN600 is ideal for applications such as computer-aided design, where high resolution and fast response times are essential; and for solids modeling and imaging, where users build high quality graphics with many colors and subtle shading.

The DN600 is fully software compatible with Apollo's monochromatic DN300 or DN420 nodes, and can be added to any existing DOMAIN network.

And the new DN600 node costs under $50,000, far less than the price of any other 32-bit computer with comparable color graphics capability.

POWERFUL SOFTWARE SUPPORT TOOLS RESULT IN FASTER, LOWER COST LARGE PROGRAM DEVELOPMENT.

The high-productivity DOMAIN programming environment includes ANSI-standard FORTRAN 77, Pascal, and C; a wide range of standardized software tools; and a highly consistent, yet flexible command environment. A SIGGRAPH CORE graphics package and a comprehensive set of graphics primitives help speed application development. Apollo's IBM 3270 and HASP emulators provide communications with central computer systems, our Ethernet support lets you communicate with other systems, and our X.25 communications gateway provides a link with remote computer systems, other DOMAIN networks, or public packet switching networks.

PROVEN ENGINEERING APPLICATION SOFTWARE.

A growing library of third-party software provides support for scientific, engineering, modeling, CAD/CAE, and decision support applications. The library includes packages such as MSC/NASTRAN and ANSYS, two comprehensive and highly regarded finite element analysis programs; PATRAN-G, a powerful interactive finite element pre- and post-processor; SCIBRE, a versatile and easy-to-use text formatting and document production system; and DISSPLA and TELL-A-GRAPH, two sophisticated interactive graphics packages.

FIND OUT MORE ABOUT THIS EXPANDING FAMILY OF HIGH PERFORMANCE PERSONAL-NETWORKED COMPUTERS.

The DOMAIN network gives you low entry cost, predictable high levels of performance, easy and natural incremental growth, reliable system operation, and long-term investment protection. For more information on the Apollo DOMAIN processing system, call Apollo's marketing department at (617) 256-6600 or write Apollo Computer Inc., 15 Elizabeth Drive, Chelmsford, Massachusetts 01824.

The Concept of DOMAIN Processing

The Apollo DOMAIN distributed processing system is unique in its ability to combine a powerful, mainframe-like architecture, high resolution bit map graphics, and a high performance local area network. The DOMAIN processing system consists of a collection of low-cost 32-bit workstations, each capable of running very large and complex applications. All workstations share a common network-wide virtual memory operating system that allows users to share resources—data, programs, files, and peripherals—transparently, across the network.

See us in Booth 961 at Siggraph.