The Apollo Personal Workstation Family: The Desktop Choice

For the Widest Choice of Desktop Workstations

▲ *The Series 3000 Personal Workstation is the entry-level member of Apollo's Personal Workstation Family.*

Apollo's Personal Workstation™ family offers you the broadest range of price and performance for desktop UNIX® workstations. The powerful 7-MIPS MC68030-based Series 4500™ Personal Super Workstation™ offers the most advanced desktop performance at very aggressive prices. For the more cost-sensitive user, the MC68030-based Series 3500™ Personal Workstation offers 4-MIPS performance. And the MC68020-based Series 3000™ Personal Workstation is the most cost-effective desktop UNIX workstation available today. Choose precisely the level of performance you need at a price you can afford.

All of Apollo's desktop workstations give you the advantage of a proven open system architecture, adherence to openness and standards, and integrated transparent networking. Apollo's flexible Personal Workstation family means configurability, expandability, availability, and affordability. And Apollo's workstations are completely software compatible across the entire product line. With over 1800 applications to select from, Personal Workstation users can take advantage of the best software from leading solutions vendors.

Personal Workstation Family: Building on a Solid Foundation

▲ *The Series 3500 Personal Workstation harnesses the full power of the latest standard microprocessor technology with Apollo's open architecture, a broad range of options, and a very attractive price.*

The entry-level Series 3000 was the first workstation to combine high-resolution integrated graphics with an MC68020 central processor and the industry-standard IBM PC AT®-compatible peripherals interface. The 32-bit, virtual memory Series 3000 is ideally suited to such applications as schematic capture, 2-D drafting, technical publishing, computer-aided software engineering (CASE), and financial processing. Series 3000 configurations offer 4-8MB of memory, 72-348MB of mass storage, and a choice of two color displays with 4 or 8 bit planes and two monochrome displays. The low price of the Series 3000 enables organizations to put one on every professional's desk, giving them the functionality they need to be productive and for the workgroup to be effective.

Apollo continues the tradition of leadership technology with the Series 3500 and 4500 by combining Motorola's state-of-the-art technology, the MC68030 central processor and MC68882 floating point co-processor, with Apollo's premier open system desktop architecture.

The 4-MIPS Series 3500—based on the 25MHz MC68030 CPU and 25MHz MC68882 floating point co-processor—provides higher performance than the Series 3000 for more demanding applications, such as PCB and IC design. It offers 4-32MB of memory, 155-696MB (formatted) of mass storage, a choice of three color displays offering 4 or 8 bit planes, and a choice of two monochrome displays. In addition, optional accelerators extend 2-D graphics performance up to 400% and floating point performance up to 300%.

At the top of the Personal Workstation line, the performance-oriented Series 4500 delivers 7-MIPS to the desktop of the most demanding users. The Series 4500 features a 33MHz MC68030 CPU and 33MHz MC68882 floating point co-processor, 64KB of physical

cache, and 8-32MB of interleaved memory. It's a system that is tuned for performance, making it ideal for processing-intensive design and analysis applications. The Series 4500 family offers a choice of graphics display options: one monochrome display, and two color displays, including a high-performance, high-resolution 2-D option. In addition, it offers 155-696MB of mass storage, and taking system performance a step further, an optional floating point accelerator.

Family Highlights

The Apollo Personal Workstation family shares a rich array of features and benefits. All of Apollo's desktop workstations—

- fit comfortably in the office environment of technical and professional workgroups due to superior desktop design
- contain an IBM PC AT-compatible bus for system flexibility and add-on peripherals
- provide a choice of high-resolution monochrome or color monitors to meet application needs in a wide variety of markets
- support a host of graphics options to suit professionals in every environment
- offer a rich choice of mass storage devices integrated into the desktop design
- allow a network choice—Apollo Token Ring or Ethernet®—and network computing capabilities that harness all multivendor computer resources in a network
- provide a task-oriented, multi-window environment that supports up to 56 concurrent processes and run several large applications simultaneously
- share resources and information transparently to enhance workgroup productivity
- support the optional IBM PC AT-compatible PC co-processor (Domain®/PCC™) and a PC software emulator (Domain/PCE) for running PC applications
- offer an optional Serial/Parallel Expansion (SPE) board that provides for an additional two RS232 ports and one parallel port
- receive the solid backing of Apollo's worldwide service and support

Apollo Networking

From the start, Apollo designed a system to move data, graphics, and computations dynamically through a network of workstations—a network that provides the kind of advanced security required in today's computing environment. Now, Apollo's Network Computing System™ (NCS) puts the diverse computing resources of your entire organizational network at your fingertips. The workstation user sees the network and all its resources as a single cooperating environment spanning real-time systems, specialized processors, transaction processors, compute servers, and mainframes.

◀ *The Series 4500 Personal Super Workstation, with its optimized processing power, performs such complex applications as simulation and mechanical design right at your desk.*

Harness All Your Computer Resources

▲ *The Apollo dedication to open architecture and industry standards puts the diverse computing resources of your entire organizational network at your fingertips.*

A Total Commitment to Standards and Openness

Apollo has gone to great lengths to support de facto and industry standards. Apollo supports Ethernet, TCP/IP, UNIX System V Release 3 and 4.3BSD, the X Window System,™ and the PC AT bus. And Apollo's X Window System-based Open Dialogue™ for user interface design and management allows application developers to design custom-tailored user interfaces to their specific UNIX applications on other hardware platforms.

Apollo and the Open Software Foundation

Apollo is a founding sponsor of the Open Software Foundation (OSF), an international organization established to develop a completely open software environment. OSF will define specifications and standards, develop a UNIX-based operating system, and promote open, portable software applications. Among the proposed technology contributions to the foundation are Apollo's NCS and Open Dialogue products. As a charter member, Apollo will be able to provide its customers leading-edge systems that protect their investment in software and hardware.

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