

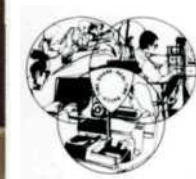
HEWLETT  PACKARD

Meet the HP System/3000





At home in any environment



Meet the HP System /3000: the adaptive one.

A multiprogramming computer system that is equally at home in any data processing environment.

Serving multiple users in a time-sharing mode, acquiring data in real-time, performing batch processing — System/3000 easily handles any of these tasks. *What's more, it can concurrently handle them all in any combination.*

Do your needs require several dedicated systems to solve problems in more than one environment? Then, you should be considering the really new System/3000. It has the features you need to concurrently solve multiple tasks at a surprisingly low price.

Typically, multiprogramming systems are in the million-dollar price class. *System/3000 offers you the same functional capabilities for less than 25% of that figure.*







Operating invisibly to system users

Each user of the HP System/3000 is independent and unaware of other users. *Our new Multiprogramming Executive lets everyone interface with the system at the level of priority and sophistication appropriate to the job being performed.* To ensure this independence, the system automatically protects the private code and data of each user.

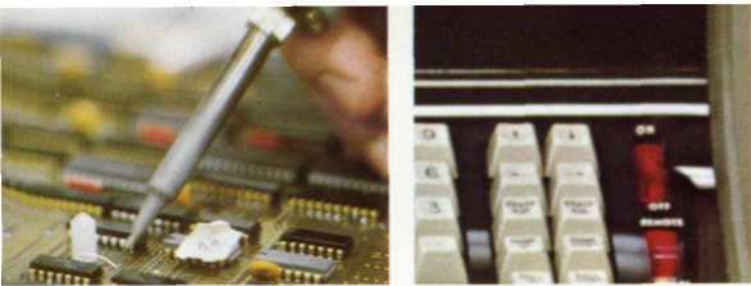
For example, limit registers define the area of memory within which each user may operate. The rest is fully protected. Each instruction automatically checks for memory protect violation during execution — with no time lost.

The memory available to each user is virtually unlimited. The operating system handles all memory assignments within core and mass memory management without any user intervention. Code may be segmented to efficiently use available core and to enable programmers to write programs that are larger than available core. At the appropriate times, segments are linked together by the system.

These are just a few of the System/3000 features that simplify and speed programming tasks by minimizing user intervention required for normal system operation.







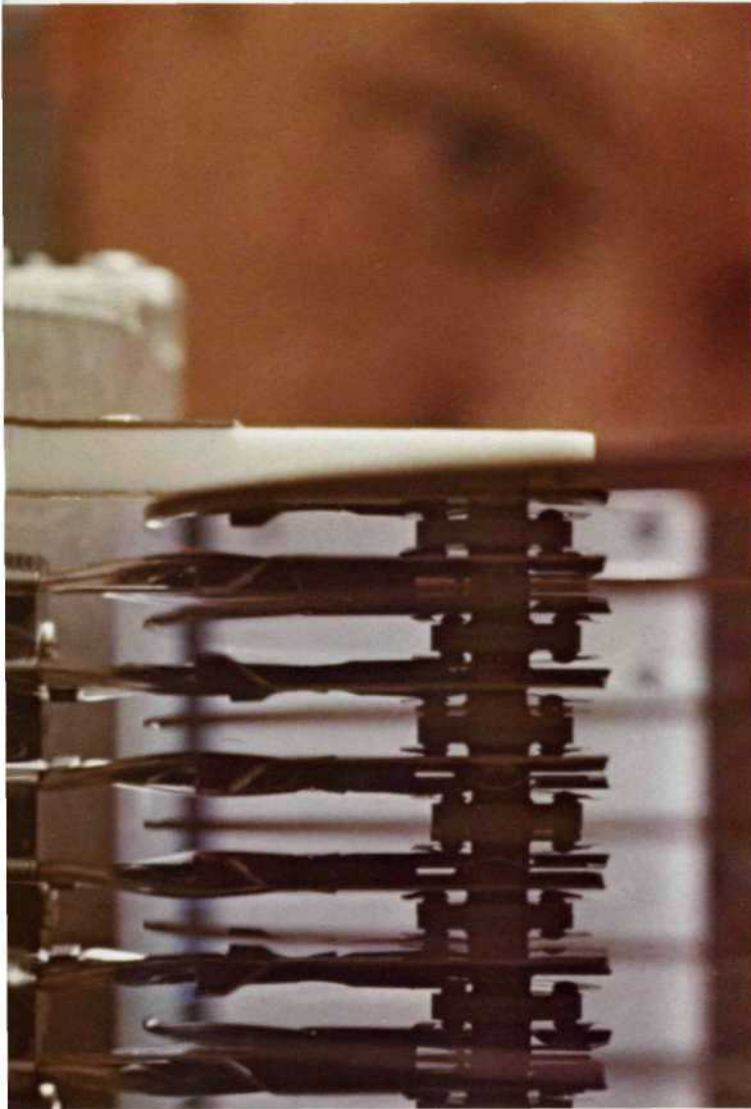
Providing built-in expandability

The ability to adapt to your growing needs is another important plus offered by System/3000. *You can choose from a full complement of peripherals and memory options.*

For example, core memory size can range from 16K bytes to 131K bytes in 16K increments. A selection of moving-head and fixed-head discs allows you to optimize the combination of speed and capacity you require for bulk storage. Similarly, you can choose from a variety of batch devices, terminals, and general-purpose interfaces (that let you connect your own special-purpose peripherals and instruments without a major effort).

Modularity is the key. From the earliest stages, modularity of both hardware and software was stressed to provide the kind of flexibility required for a multiprogramming system.

Hardware features like a high-speed data path permit the CPU and peripherals to access memory concurrently. This means system expansion without degradation of system performance. Software features such as device independent programming permit you to reconfigure your system with a minimum of effort as you expand the capabilities of your System/3000.





NAVY



EXHAUST
DANGER
INTAKE

WATER
WASH
WASH

NAVY

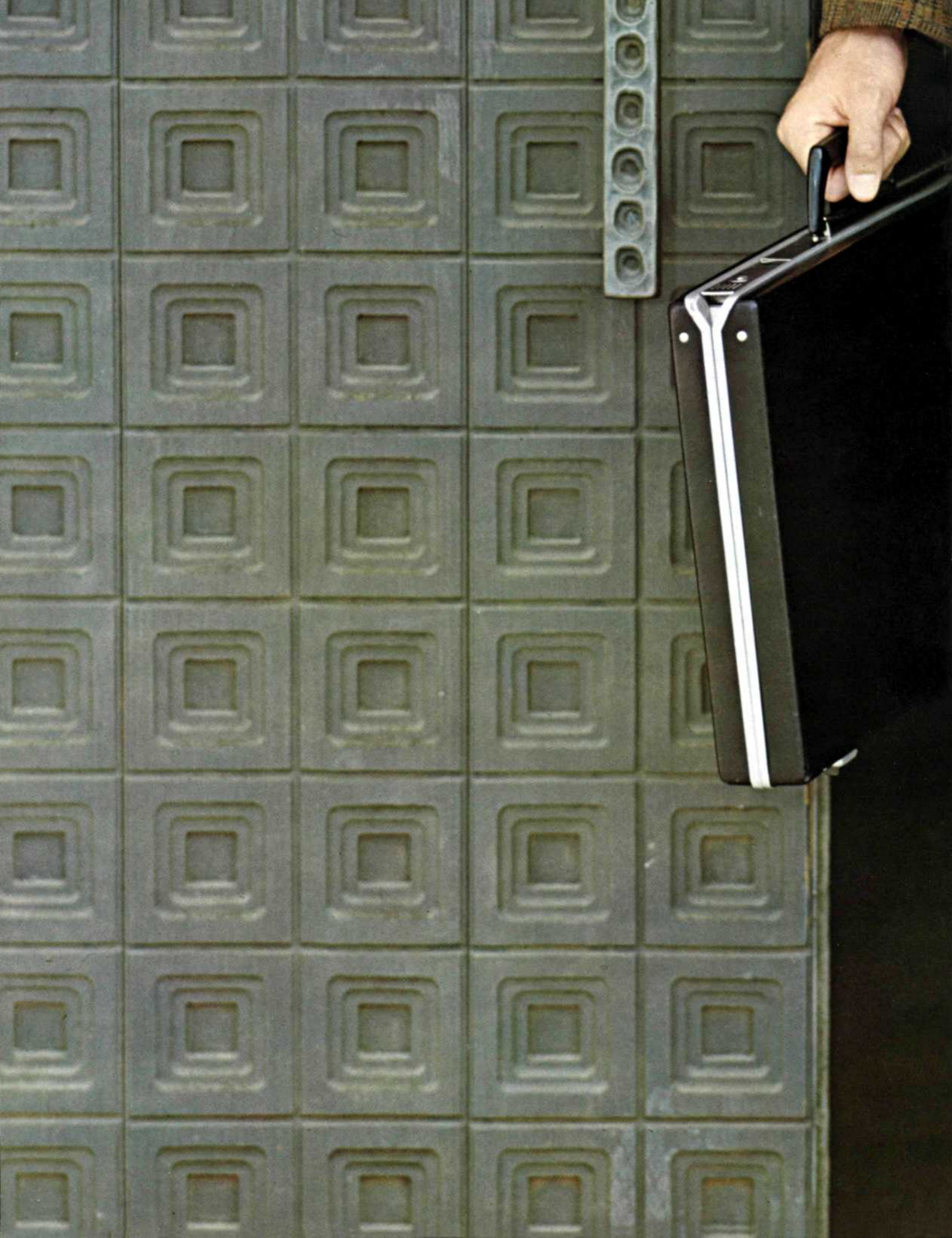


A new definition of versatility

With the HP System/3000, you can consider applications that you could not afford before. For the first time in the under \$250,000 price range, you can get the functional capabilities previously available only on larger, more expensive systems. Here are a few of the ways that the System/3000 adapts to your needs, your environment, and your budget.

- Flexible financing — purchase, rental, or time payment
- Programs developed at a terminal can be executed in batch or real-time
- A System Programming Language (SPL) that combines assembly language efficiency with the power of a compiler
- Multi-lingual capability — FORTRAN, BASIC, and SPL — available to all users, *in any mode*
- All program code is re-entrant and relocatable
- A *hardware* data stack
- A large, powerful instruction set, implemented with micro-programmed read-only memories
- High-speed, direct access between memory and peripherals concurrent with CPU operation
- Multilevel priority interrupt (to a maximum of 253 devices)
- Automatic and fast context switching among users and operating modes (real-time, batch, multiterminal)
- Device-independent programming
- Available with a full complement of peripherals







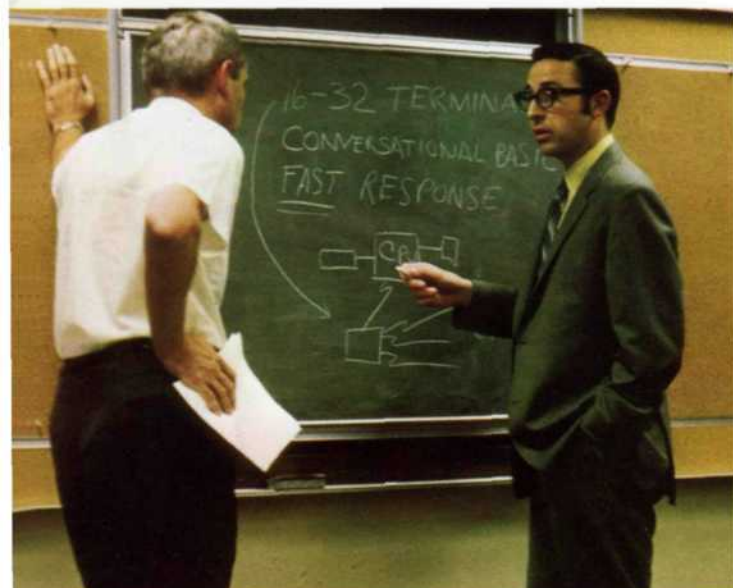
Backed by traditional HP support

When you order an HP System/3000, *you can count on the same excellent support that all our customers expect and receive.* Building on the experience and capabilities of over 30 years, Hewlett-Packard has developed a regionalized support network that responds quickly and efficiently to customer needs.

For computer system customers, the key to support is the systems analyst. He brings his training and experience to your site to help you solve such problems as staff training and application program development. And you can rely on further levels of support from regional Data Centers and the factory.

Complete preventive maintenance and service contracts are available. Our experienced service engineers will ensure that your System/3000 keeps operating at peak efficiency.

Training, documentation, technical expertise — from your regional Data Center to the factory — you can count on in depth support. In other words, *Hewlett-Packard's commitment does not end with equipment delivery—it just begins.*





For more information, call your local HP Sales Office or East (201) 265-5000 • Midwest (315) 677-0400 • South (404) 436-6181
West (213) 877-1282. Or, write: Hewlett-Packard, 1501 Page Mill Road, Palo Alto, California 94304. In Europe, 1217 Meyrin-Geneva, Switzerland