



THE AT&T PERSONAL COMPUTER MODEL 6300 PLUS:

The performance you need today with the
advanced capabilities you'll need tomorrow



The AT&T PC 6300 PLUS is designed with the user in mind. It delivers superior MS¹-DOS performance for today, and provides access to all the advanced capabilities of UNIX[™] System V. The PC 6300 PLUS is the next step in the evolution of the desktop computer.

The PC with the Future Built In

The AT&T PC 6300 PLUS is one of the fastest PCs available for MS-DOS applications. It is ideal for users who need maximum power on their desktop and access to thousands of MS-DOS applications. And, it offers you the capabilities of UNIX System V—the advanced operating system so ideally suited to the multi-tasking and networking needs of the evolving office environment. The AT&T PC 6300 PLUS delivers superior performance now, and will grow with you as your needs change. It is more than a major technological advance—it is a reflection of the AT&T commitment to protecting your hardware and software investment.

An Outstanding Machine: Speed, Power, Performance

The AT&T PC 6300 PLUS offers enhanced performance. It will store, retrieve and process information with incredible speed. The PC 6300 PLUS has a powerful Intel 80286 microprocessor running at 6 MHz, which will run MS-DOS applications 150 percent faster than the IBM² PC/XT... and 25 percent faster than the IBM PC/AT.

The increased performance and speed of the AT&T PC 6300 PLUS comes from its advanced architecture and from its high-speed memory address circuitry, which work to greatly increase the efficiency of data handling.

The PC 6300 PLUS can accommodate 1 MB of RAM on the motherboard, and is expandable up to 7 MB for even more memory. This flexibility will be of major benefit as you add new integrated software packages—such as Symphony³— which take advantage of expanded memory. The PC 6300 PLUS comes with seven expansion slots, serial and parallel ports and a clock/calendar. An 80287 math co-processor is also available, which is a major asset if your needs include high-speed intensive math and scientific calculations.

Hardware and Software Compatibility

The AT&T PC 6300 PLUS works to protect your investment because of its compatibility with popular software applications, expansion boards and peripherals. Software packages, files and data are easily ported to the PC 6300 PLUS. Thus, you will get immediately increased productivity from your familiar MS-DOS applications. The unit runs thousands of popular MS-DOS applications—even more than are available for the IBM PC/AT. It runs the most popular MS-DOS programs for word processing (WORDSTAR⁴ PROFESSIONAL and Microsoft⁵ Word)... budgeting and planning with spreadsheets (LOTUS³ 1-2-3³ and Microsoft Multiplan¹)... electronic filing (dBASEIII⁶ and Friday!⁷)...and thousands more.

More User Benefits

The sleek, compact PC 6300 PLUS fits easily on your desk, leaving plenty of room to spread out other work. Its crisp, high-resolution display provides unmatched clarity and is ideal for graphics applications. The PC 6300 PLUS is engineered for user comfort—its adjustable keyboard and tilt and swivel non-glare screen work to reduce eyestrain and muscular fatigue. If you spend hours at your computer, the AT&T PC 6300 PLUS is for you!

The AT&T PC 6300 PLUS comes in various 512K RAM configurations such as: 1.2 MB floppy with 20 MB hard disk, and dual floppy model with 1.2 MB and 360 K floppies.

UNIX System V: Unique Features for Enhanced Capabilities

With the optional UNIX System V[†], the AT&T PC 6300 PLUS is the only PC which can deliver true integration of the MS-DOS and UNIX Operating Systems. This integration provides even MS-DOS-only users with the advanced capabilities of UNIX, and allows a smooth evolution into the full function UNIX System V environment.

OS Merge

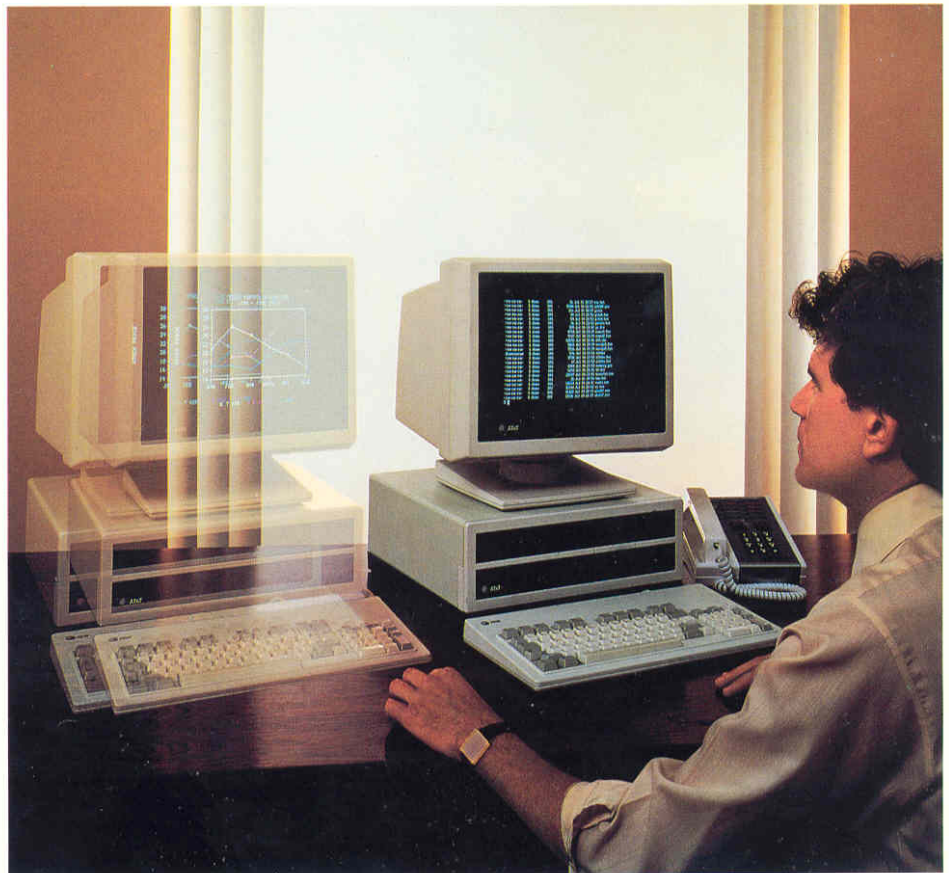
The OS Merge feature, a true technological innovation, is unique to the AT&T PC 6300 PLUS. It allows the user to easily switch between the MS-DOS and UNIX System V environments—with a single keystroke, no rebooting. Unlike on other PCs, the operating systems can run concurrently. MS-DOS runs as one task under UNIX System V, with several UNIX System applications running at the same time. UNIX System V and MS-DOS files are stored together in the same file structure, so UNIX System V and MS-DOS programs can share the same data. And, both MS-DOS and UNIX System V files can be transmitted to other compatible machines.

When operating under UNIX System V, the AT&T PC 6300 PLUS does not *emulate* MS-DOS—it runs *real* MS-DOS and *real* UNIX. This gives the user the best of *both* systems.

True Multi-Tasking

Through the power of UNIX System V, the PC 6300 PLUS provides the best multi-tasking capability available today. It works the way real people work—on more than one task at a time, and subject to continual interruption. It enables the user to manage and access MS-DOS and UNIX System V applications and files. It allows multiple applications to run—even unattended—with no need for user concern about which operating system the applications run behind. For this reason, the PC 6300 PLUS is the friendliest PC on the market today.

In the UNIX System V environment, the PC 6300 PLUS will run MS-DOS or UNIX programs separately or simultaneously. This means that a fully functional MS-DOS program can run at high speed under UNIX System V, and continue to run while the computer handles communications, records notes, or opens up additional screen windows for other UNIX System V applications. When MS-DOS runs concurrently with



[†]Expected availability early 1986

UNIX System V, no rebooting is necessary—thus there is no interruption of activity. For example, while running an MS-DOS application such as LOTUS 1-2-3, the same user can be printing a report, sending electronic mail to another computer and accessing the corporate mainframe—all at the same time.

The multi-tasking capability of the AT&T PC 6300 PLUS is like having the power of several high-performance computers working for you from a single keyboard—a choice that only AT&T can offer.

User Interface

The User Interface brings all the power and enhanced functionality of MS-DOS applications and UNIX System V to your fingertips by providing a window/icon user environment. The easy-to-use menu-driven User Interface feature works with UNIX System V and makes UNIX and MS-DOS running under UNIX System V transparent to the user. This means that the user need only know the application software—not the

complicated workings of the operating systems themselves.

File Protection

UNIX System V provides security for your programs and files through password protection at log-in and read/write/execute file permissions. Unauthorized users cannot access the files, whether the files were created under MS-DOS or UNIX System V.

Special Benefits

Under the UNIX System V environment the AT&T PC 6300 PLUS provides a number of additional user benefits. These include sophisticated voice and data communications capabilities...unattended application scheduling and sequencing of both MS-DOS and UNIX System V applications...and a convenient environment for systems developers.

Software developers can even take advantage of UNIX System V performance in developing MS-DOS applications. The PC 6300 PLUS, with the integration of



UNIX Software development tools and MS-DOS language processors, is ideally suited for the development of software applications.

Protection of Your Investment

The AT&T PC 6300 PLUS helps protect your investment while you continue to benefit from familiar application software packages. AT&T has a commitment to protect the investment of all MS-DOS users. This commitment extends to future growth as technology continues to advance, and reflects the AT&T objective of supporting existing standards in software, hardware and communications.

In addition to supporting industry standards, AT&T ensures the ability to upgrade within our prod-



uct line. The AT&T PC 6300 PLUS is fully compatible with the AT&T PC 6300. Current PC 6300 owners can expand their capabilities to that of the PC 6300 PLUS with the installation of an upgrade kit.

And the AT&T PC 6300 PLUS has special appeal to business users with UNIX System V's unique ability to tie everything together—from personal computers to the mainframe—providing additional growth advantages in distributed data processing. UNIX System V software can be ported, or moved, across a variety of different brands and types of computers as business needs change. This portability provides users with "hardware independence." They are not confined to a particular brand of computer, but can 'mix and match' hardware since UNIX System V software is useable across a range of different equipment.

Networking

Beyond its superior performance, the AT&T PC 6300 PLUS also offers expanded communications capabili-

ties through the AT&T Communications Manager's software and modem, which integrates voice and data to generate a new level of user productivity.

Of course, the AT&T PC 6300 PLUS can communicate with the entire line of AT&T computers: The AT&T PC 6300...the AT&T UNIX PCs...and the AT&T 3B Computer line. But beyond connecting AT&T products, AT&T's commitment to integrated solutions and support for existing standards means that you can connect to other computers as well. The PC 6300 PLUS will connect to local area networks, will work as a concurrent file server for the AT&T STARLAN NETWORK, and will even communicate with mainframes supporting industry standards such as 3270 SNA/BSC and 2780 RJE protocols.



Hardware Options

A number of enhancements are available for the AT&T PC 6300 PLUS.

- Display Enhancement Board—provides 640 x 400 high-resolution 16-color graphic capabilities. Blinking, concurrent graphics and text, and 16,000 color or pattern variations provide a wide variety of graphics capabilities—from superb charts and graphs to animation.
- High Density RAM Expansion Board—a high-density expansion board will expand the PC 6300 PLUS by up to 2 MB of random access memory. A maximum of three boards can be installed to provide an additional 6 MB RAM to the 1 MB RAM on the motherboard.
- PC 6300 Upgrade Kit—converts the PC 6300 to a PC 6300 PLUS, maintaining compatibility with existing peripheral equipment.
- Other hardware options include: a color monitor... multiple EIA port cards...an 80287 math co-processor...and the AT&T PC 6300 Mouse.

**The Right Choice:
For Today's Applications—For Tomorrow's Needs**

The AT&T PC 6300 PLUS is the right choice for your business if you need the highest performance for the applications programs you use today. And, it is the right choice for your business if you need the advantages of the UNIX System V environment: true multi-tasking...file sharing...access to main-frames...and built-in communications capabilities.

Whether your business needs focus on increased office productivity...data management and analysis...word processing...or application-specific needs such as those in a medical or a legal office...the AT&T PC 6300 PLUS will perform faster and more reliably than other personal computers.

When you buy the AT&T PC 6300 PLUS you are getting the optimal PC user environment. You are getting increased performance today, an open window to advanced capability for tomorrow, and on-going protection of your investment in hardware and in software as technology advances. And, all this is backed by the reliable support and service organization of AT&T and its authorized suppliers.

Arrange a hands-on demonstration of the PC 6300 PLUS by calling your AT&T Information Systems Account Executive or an Authorized AT&T Supplier to show you the next step in the evolution of the desktop computer.



- ¹ Trademark of Microsoft Corporation
- ² Trademark of International Business Machines Corporation
- ³ Trademark of Lotus Development Corporation
- ⁴ Registered trademark of MicroPro International Corporation
- ⁵ Registered trademark of Microsoft Corporation

- ⁶ Registered trademark of Ashton-Tate
- ⁷ Trademark of Ashton-Tate
- ⁸ Registered trademark of International Business Machines Corporation
- ⁹ Trademark of Centronics Corporation



AT&T PC 6300 PLUS

Technical Specifications

Standard Configurations

- Hard Disk Unit
 - 512 K RAM
 - 1.2 MB Floppy Disk
 - 20 MB Hard Disk
- Floppy Disk Unit
 - 512 K RAM
 - 1.2 MB Floppy Disk
 - 360 K Floppy Disk

Processor

- Intel 80286

Co-Processor

- 80287 (Optional)

Clock Speed

- 6 MHz

Wait States

- Zero

Data Bus/CPU Architecture

- 16 Bit/16 Bit

Address Bus

- 20 Bit—Real Mode
- 24 Bit—Protected Mode

Operating System

- MS-DOS 3.1 and/or UNIX System V Release 2.0 with: User Interface, File and Record Locking, File System Hardening, Automatic Bad Track Maintenance and Shared Subroutine Library.

Operating System Concurrency

- OS Merge enables MS-DOS to run concurrently with UNIX System V.

Main Memory

- 512 K standard on motherboard upgradeable to 1 MB. Will support 3 additional 2 MB RAM expansion boards for a total of 7 MB.

Floppy Disk Drive

- 1.2 MB 96 tpi standard
- 360 K 48 tpi optional

Hard Disk

- 20 MB internal half height

Display

- 12" (30cm) monochrome or color screen, supporting 640x400, 640x200, 320x200 graphics modes; 80x25 character mode

Keyboard

- Selectric[®] layout of QWERTY key cluster
- 84 keys (84th key used to activate OS Merge)
- 10 function keys (across the top of the keyboard)
- 15 digit numeric pad
- Sculptured keys
- Adjustable inclination
- Tactile and acoustic feedback
- N-key rollover
- Interface for AT&T PC 6300 Mouse
- 6' (1.8m) coiled cord attachment to system
- LED indicators on NUM LOCK, SCROLL LOCK, and CAP LOCK keys
- AT&T PC 6300 keyboard (optional)

Telephony

- AT&T PC 6300 Communications Manager for MS-DOS (optional)
- AT&T UNIX Telephone Manager Software (optional)

EIA RS-232C (Serial Port)

- Standard asynchronous up to 9600 bps

Parallel Printer Port

- Standard 25-pin Centronics[®]

Expansion Slots

- Seven (4 8-Bit, 3 16-Bit)

Clock/Calendar

- Standard on motherboard; includes battery back-up

Dimensions

- 15"x6"x15" (37.5 cm x 15 cm x 37.5 cm)

Electrical

- 100-120V ± 10%; 50-60Hz ± 5%

Ambient Temperature

- 50°-104°F (10°-40°C) operating
- 40°-115°F (4.5°-46°C) non-operating

Relative Humidity

- 20%-80% operating
- 5%-95% non-operating

Altitude Limitations

- 0-10,000' (0-3000m) operating
- 0-30,000' (0-9000m) non-operating

