



## PRODUCT ANNOUNCEMENT

# AT&T PERSONAL COMPUTER MODEL 6300 PLUS

The PC 6300 PLUS represents the newest generation of personal computers. Designed for the MS-DOS user who wants increased speed or is looking ahead to more sophisticated programming needs, the PC 6300 PLUS is one of the most powerful 80286-based personal computers ever produced. The PC 6300 PLUS not only runs MS-DOS programs, but it runs them up to 25% faster than the IBM® PC AT. This, together with other features, makes it an MS-DOS price-performer unmatched by any competitive system available today.

The PC 6300 PLUS also runs **UNIX™ System V\***, the advanced operating system ideally suited

for the multi-tasking and networking needs of tomorrow's office environment. Using OS Merge, a unique hardware/software combination, it can run MS-DOS concurrently with **UNIX System V**. And managing MS-DOS files and applications under **UNIX System V** provides even the non-**UNIX** user with an enhanced MS-DOS operating environment.

The PC 6300 PLUS is compatible with the AT&T PC 6300, the IBM PC and the PC XT®. Thus it is compatible with the most popular PC software, peripherals and expansion boards on the market today. An upgrade for the PC 6300 is available, demonstrating AT&T's commit-

ment to protect our customers' investment in AT&T equipment both now and in the future.

Like other AT&T workstations, the PC 6300 PLUS offers the option of integrated voice and data communications, high-resolution graphics, and connectivity to IBM mainframes, System 75/85, *Merlin™*, the AT&T STARLAN NETWORK, and ISN.

With its high performance and multi-tasking capabilities, the PC 6300 PLUS is the right choice for your computing needs both today and tomorrow.

\*MS-DOS 3.1 is available now. **UNIX System V** will be available in the first quarter of 1986.

### Highlights

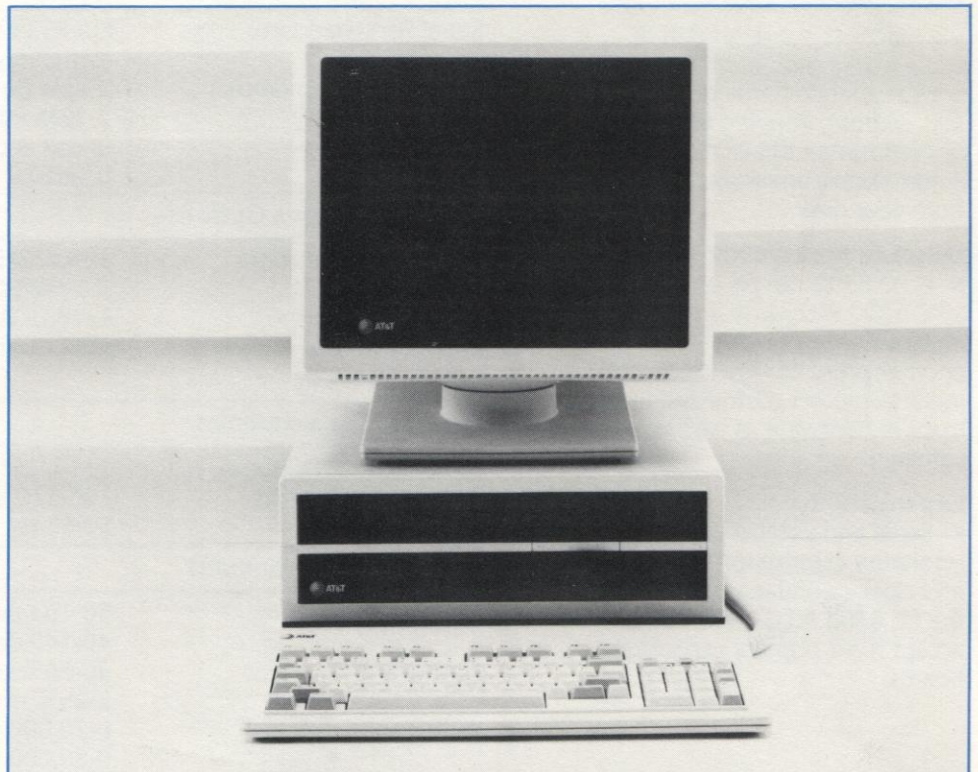
#### Performance

■ The PC 6300 PLUS runs your MS-DOS software up to three times faster than the IBM PC and PC XT. Optimized memory circuitry, coupled with the advanced 80286 microprocessor, allows your MS-DOS applications to run at state-of-the-art speed.

#### True Multi-Tasking

■ With optional **UNIX System V**, there is no need to interrupt an ongoing MS-DOS application to handle a phone call, look up another file, print data, or receive electronic mail. An MS-DOS application and multiple **UNIX System V** applications are fully concurrent and continue to run in "background" when new tasks are activated.

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### Merged Operating Systems

■ OS Merge, a unique proprietary hardware and software feature, permits a seamless transition from MS-DOS to **UNIX** System V. No shutdown, re-booting, or other interruption disturbs the user's work flow.

### Ease of Use

■ The User Interface available with **UNIX** System V allows easy access to both MS-DOS and **UNIX** capabilities through a series of windows and menus that provide choices in everyday language.

### Enhanced Functionality

■ The PC 6300 PLUS's unique ability to run MS-DOS and **UNIX** concurrently brings you attractive new features and functionality. **UNIX** System V's security features enable you to control access to all of your MS-DOS and **UNIX** directories, data files and applications programs, even if you share your machine with other users.

With **UNIX** System V you can send and receive electronic mail while the machine is unattended or while working on another task, print several documents or back up files without stopping your work, or even run an MS-DOS program automatically while you are away from your desk.

### Upgrade for PC 6300

■ A PC 6300 can be upgraded to a PC 6300 PLUS with a simple replacement of boards—yet another proof of AT&T's commitment to protect customers' investment in hardware as well as software.

### Expandability

■ Serial and parallel ports, high-resolution color graphics support, and clock-calendar are built into the PC 6300 PLUS. Seven slots accept most popular expansion boards.

### Communications Options

■ The AT&T Communications Manager permits simultaneous voice and data communications, call directory, speed dialing, and call status.

### Display

■ 12" monochrome or color monitor displays high-quality multiple character and graphics modes.

### Keyboard

■ New keyboard has a **Selectric**® layout, 10 function keys across the top, 15-digit numeric keypad, OS Merge key, and status indicator lights for Num Lock and Caps Lock keys. The PC 6300 keyboard is also available.

## Hardware Features

### Central Processing Unit

Chip	Intel® 80286
Clock speed	6 Mhz
Data Bus/Architecture	16 bit/16 bit
Address bus	20 bit (real mode) 24 bit (protected mode)

### Memory

Motherboard	512 KB standard, 1 MB maximum
Expandability	7 MB maximum

### Storage

Floppy Disk Drive	1.2 MB 96 tpi and/or 360 KB 48 tpi
Hard Disk	20 MB half-height

### Ports & Expansion Slots

Serial Port (standard)	EIA RS232C, asynchronous to 9600 baud
Parallel Port (standard) Slots	25-pin <b>Centronics</b> ® 7, <b>IBM PC XT</b> ® compatible (3 can accept 16-bit PC 6300 PLUS boards)

### Communications Options

Data Communications	3270/2780 <b>SNA</b> ™/ <b>BSC</b> ™, 3270 <b>SNA/SDLC</b> ™, 3270 BSC, 3780/2780 RJE, 3278 COAX
Telephony/Data Communications	AT&T Communications Manager

### Physical Characteristics

Dimensions (main unit)	15" x 15" x 6"
Power Requirements	100-120 V +/- 10% 50-60 Hz +/- 5%

### Operating Environment

Temperature	50-104 degrees F operating 40-140 degrees F non-operating
Humidity	20-80% operating 5-95% non-operating
Altitude	0-10,000 feet operating 0-30,000 feet non-operating