



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

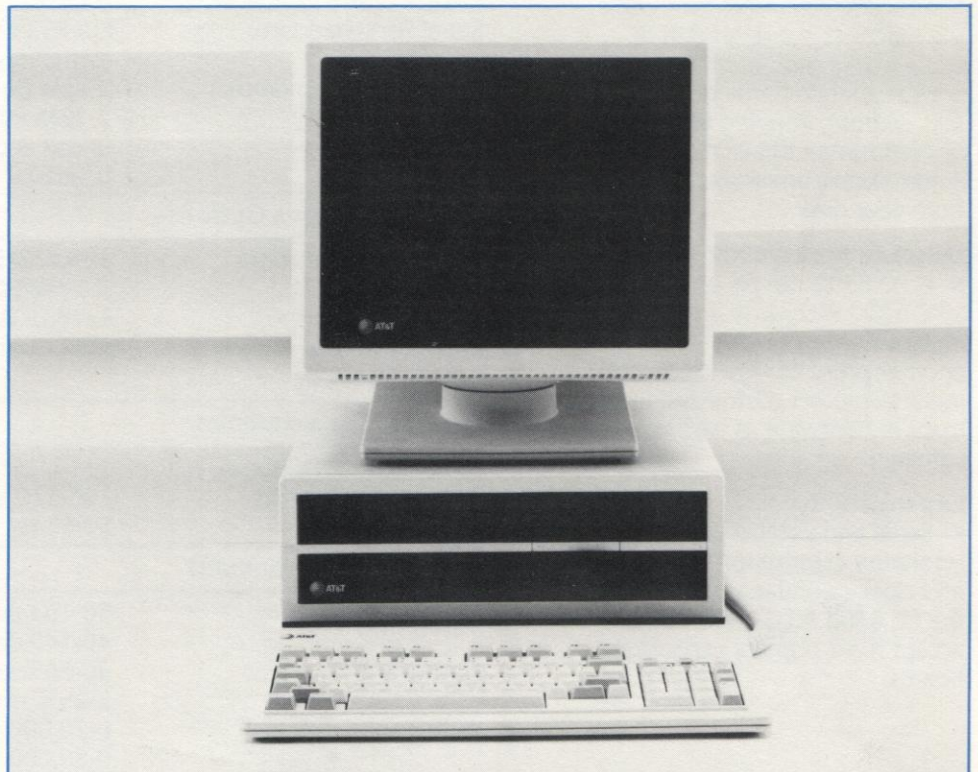
Performance

■ 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.

(Highlights continued on next page)



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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 Centronics ® 7, IBM PC XT ® compatible (3 can accept 16-bit PC 6300 PLUS boards)

Communications Options

Data Communications	3270/2780 SNA ™/ BSC ™, 3270 SNA/SDLC ™, 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

Hardware Features and Options

Central Processing Unit

■ The Intel 80286 processor is a chip with the speed and power to support the PC 6300 PLUS's outstanding performance and flexibility. Advanced chip capabilities, in conjunction with the unique features of OS Merge, ensure that even the most demanding or "ill-behaved" MS-DOS applications can run smoothly under the **UNIX** operating system.

Optional Math Co-Processor

■ The PC 6300 PLUS supports the Intel 80287 math co-processor for improved performance in heavily mathematical applications. By executing mathematical functions, the 80287 optimizes the performance of the 80286 as well.

Memory Enhancements

■ The motherboard accepts additional 256 KB RAM chips for a maximum of 1 MB.
■ Up to three RAM expansion boards of 2 MB each can be added for a system maximum of 7 MB. These boards are compatible with the LOTUS-Intel **Above™** Board specifications.

Display

■ The standard graphics card displays 640 × 400, 640 × 200, or 320 × 200 graphics modes and 80 × 25 or 40 × 25 character modes on the standard monochrome monitor. A color monitor is available as an option.

Keyboard/Mouse

■ The new Model 302 keyboard with Selectric layout and OS Merge key is standard. Options include a two-button mouse and the Model 301 keyboard (PC 6300) with function keys grouped on the left.

Clock Calendar

■ An integrated clock-calendar with battery back-up provides instant access to the date and time.

Peripherals

■ The PC 6300 PLUS is compatible with the following printers/plotters:

Parallel port:

AT&T Model 455
AT&T Model 457
AT&T Model 473
AT&T Model 474
AT&T Model 478
AT&T Model 479

Epson® FX series

Epson MX series
Epson RX series
IBM Graphics printer

Gemini® 10X/15X

Okidata® Microline series

NEC® Spinwriter

C ITOH® 8510

Serial port:

AT&T Model 455
AT&T Model 458
AT&T Model 475
AT&T Model 476

Qume®/Sprint® 11

NEC 7710

Software Features and Options

Operating Systems:

MS-DOS 3.1

This operating system is upward compatible with MS-DOS 2.11 and effectively equivalent to PC-DOS 3.1. It runs thousands of applications programs currently on the market. It provides file management, support for networking, program chaining, device driver enhancements, and many other features.

New networking commands in MS-DOS 3.1 include JOIN, LABEL, SHARE, and SUBST. Enhanced commands include CHMOD, SIZE, and TREE, plus new subroutine library calls.

UNIX System V (available 1Q86):

AT&T UNIX System V Software

This basic package includes the User Interface, OS Merge, asynchronous communications, diagnostics, and support for keyboard and mouse. Enhancements under **UNIX** System V include automatic bad block handling, file system hardening, simple administration menus, and file and record locking.

AT&T Software Development Package

The software development set provides the fundamental **UNIX** System V building blocks for professional applications software development, including a C language compiler, loader and linker, an assembler, and a **UNIX** System V development tool set (SCCS, MAKE, YACC, lex, etc.).

Transparent Shared File System:

When both MS-DOS 3.1 and **UNIX** System V are installed, all files share a common directory structure. They are viewed and treated identically, and can be accessed directly or through the User Interface under either operating system with full file security capabilities.

Applications Software

MS-DOS 3.1 applications now available include:

AT&T Business Accounting System

dBase II®

dBase III®

DR Draw™

DR Graph™

DR LOGO™

File It!®

513 Emulation

4410 Emulation

Friday!™

INFORMIX®

MS Basic Compiler

MS Cobol

MS Fortran

MS Macro Assembler

MS Pascal

MS Word

Multiplan®

1-2-3™

Overhead Express™

PC Interface

RM-Cobol Compiler™

RM-RunTime™

SuperCalc 3®

SuperWriter®

Tango™

WordStar Professional™

WordStar 2000™

UNIX System V applications for the PC 6300 PLUS will be available in the first quarter of 1986.

Expansion Boards

Expansion boards now available for the PC 6300 PLUS include:

AT&T Communications Manager

AT&T Display Enhancement Board

AST CL-432

AST **PCOX**™

SSI **IRMA**®

Configurations

The standard PC 6300 PLUS includes system unit with choice of storage configurations, keyboard, monochrome monitor, serial and parallel ports, clock/calendar, and MS-DOS 3.1.

Hard Disk: 20 MB Hard Disk
1.2 MB Floppy Disk
512 KB RAM

Dual Floppy Disk: 360 KB Floppy Disk
1.2 MB Floppy Disk
512 KB RAM

Installation

The customer may install the AT&T PC 6300 PLUS, or may contract with AT&T or an AT&T authorized dealer to install it. Instructions are found in the PC 6300 PLUS Installation Guide.

Warranty and Maintenance

Warranty Period

The AT&T PC 6300 PLUS system unit and keyboard carry a one-year warranty from the date of purchase; the monitor carries a 90-day warranty. AT&T Information Systems, or any authorized dealer, will replace any defective part free of charge within the warranty period.

Warranty Service

The full strength of AT&T's nationwide service organization and authorized dealer network supports the PC 6300 PLUS. If a problem requires repair or maintenance, a user may contact the AT&T Information Systems Service Organization. If on-site service is required, it will be provided under warranty. The unit may also be taken to any AT&T authorized dealer.

Post Warranty Maintenance Service

AT&T Information Systems offers several Equipment Maintenance Agreement Plans either directly or through their AT&T authorized dealer network. Both per-occurrence and contract plans are available.

Product Availability and Ordering

AT&T PC 6300 PLUS configurations are available now through AT&T direct sales, VAR sales, OEM sales, and AT&T authorized dealers.

Additional Information

For additional information on the AT&T PC 6300 PLUS, contact your local AT&T Information Systems Account Executive, local computer dealer, or call 1-800-247-1212.

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