

[Offering Information](#) > [Announcement Letters](#) >

IBM PERSONAL COMPUTER XT (TM) MODEL 286

Contents

[Announcement Letter Number 186-161 dated September 2, 1986](#)

[US - Last Revised on September 2, 1986](#)

Brief Description of Announcement, Charges, and Availability.

The IBM Personal Computer XT (PC XT (TM)) Model 286 extends the IBM Personal Computer (PC) family by offering significant price performance enhancements. A standard configuration includes an Intel 80286, 6 MHz microprocessor with zero wait-state, 640 KB of planar memory, a 1.2 MB diskette drive, a 20 MB fixed disk and a serial/parallel adapter. A second internal diskette drive may be optionally selected from the following new offerings:

- 3.5' Internal Diskette Drive (720 KB)

- 3.5' Internal Diskette Drive (720 KB)

- High Capacity Diskette Drive (1.2 MB)

- 5.25' Diskette Drive (360 KB).

- 5.25' Diskette Drive (360 KB).

The IBM PC XT Model 286 is compatible with most hardware and software currently supported by the IBM Personal Computer family.

Purchase Price: \$3,995

Planned Availability Date: PC XT Model 286 - September 2, 1986; three new diskette drives - September 1986

Customer Letter Section

HIGHLIGHTS

- o New, price-performance standard in an Intel 80286-based personal computer
- o 640 KB memory on the system board
- o Enhanced PC Keyboard
- o Supports both 3.5' and 5.25" Internal Diskette Drives

- o Supports both 3.5' and 5.25" Internal Diskette Drives
- o 20 MB fixed disk file

DESCRIPTION

A 20 MB fixed disk and a 1.2 MB 5.25' diskette drive are

A 20 MB fixed disk and a 1.2 MB 5.25' diskette drive are

standard on the PC XT Model 286. One additional diskette drive may be internally installed as the B drive from the following new offerings:

- o One 3.5' Internal Diskette Drive (mutually exclusive with the
- o One 3.5' Internal Diskette Drive (mutually exclusive with the 4865 Model 2, 3.5' External Diskette Drive).
- 4865 Model 2, 3.5' External Diskette Drive).
- o One High Capacity Diskette Drive
- o One 5.25' 360 KB Diskette Drive
- o One 5.25' 360 KB Diskette Drive

New special features further enhance the performance and function of the PC XT Model 286.

3.5' INTERNAL DISKETTE DRIVE

3.5' INTERNAL DISKETTE DRIVE

This feature is a half-high, double-sided, 3.5' diskette drive that supports the 3.5' media with 720 KB of storage capacity. The drive utilizes the standard fixed disk and diskette drive adapter provided on the PC XT Model 286. When installed, the drive becomes the 'B' drive. Initial Program Loading (IPL) from the 3.5' diskette is not supported by the PC XT Model 286. For operation, DOS users require DOS 3.2 on a 5.25' diskette or fixed disk. The 3.5" Internal Diskette Drive is mutually exclusive with the 4865 Model 2, 3.5' External Diskette Drive.

HIGH CAPACITY DISKETTE DRIVE

The High Capacity Diskette Drive is a half-high, 5.25', dual-sided drive with 1.2 MB of storage capacity. This drive is compatible with

the standard drive provided with the PC XT Model 286 in the 'A' position. When installed as the second drive, the High Capacity Diskette Drive becomes the 'B' drive. This drive utilizes the standard fixed disk and diskette drive adapter provided on the PC XT Model 286.

5.25' 360 KB DISKETTE DRIVE

5.25' 360 KB DISKETTE DRIVE

This half-high, 5.25' diskette drive permits the exchange of information between the PC XT Model 286 and other members of the IBM PC family. The drive is a dual-sided drive with 360 KB of storage capacity. When installed, the drive becomes the 'B' drive. This drive utilizes the standard fixed disk and diskette drive adapter provided on the PC XT Model 286.

SYSTEM PERFORMANCE

The IBM PC XT Model 286 processor is up to 2.5 times faster internally than the prior PC XT family and up to 20 percent faster than the Personal Computer AT (R) Model 239, depending upon specific applications.

SYSTEM COMPARISON

	5160 MODEL 089	5162 MODEL 286	5170 MODEL 339
Microprocessor	8088	80286	80286
	4.77 MHz	6 MHz	8 MHz
		0 wait- state	1 wait- state
Standard Planar Memory	640 KB	640 KB	512 KB
Maximum Memory	640 KB	12.6 MB	15.5 MB
I/O/Slots	0-16 Bit	5-16 Bit	6-16 Bit
	8-8 Bit	3-8 Bit	2-8 Bit
Clock/Calendar	No	Yes	Yes
Power Supply	130 W	157 W	192 W
Diskette and Fixed			

Disk Adapter	2 Cards	1 Card	1 Card
Diskette	360 KB	1.2 MB	1.2 MB
	(std)	(std)	(std)
	720 KB	360 KB	360 KB
		720 KB	720 KB*
Fixed Disk	20 MB	20 MB	30 MB
Drive	(85ms)	(85ms)	(40ms)

* See Product Announcement 186-162, dated September 2, 1986.

PUBLICATIONS

The following publication is shipped with the PC XT Model 286:

TITLE	ORDER NUMBER	FEATURE CODE
IBM Personal Computer XT Model 286 Guide to Operations	6280147	3216

Additional copies are available for a fee by contacting your marketing representative.

The following publications are available for a fee:

TITLE	ORDER NUMBER	FEATURE CODE
IBM Personal Computer XT Model 286 Technical Reference Manual	68X2210	3210

TECHNICAL REFERENCE OPTIONS AND ADAPTERS UPDATES

TITLE	ORDER NUMBER	FEATURE CODE
Fixed Disk and Diskette Drive Adapter	68X2215	3215
20 MB Fixed Disk Drive	68X2208	3208

HARDWARE MAINTENANCE LIBRARY

TITLE	ORDER NUMBER	FEATURE CODE
IBM Personal Computer XT Type 5162 Supplement for the Hardware Maintenance Service	68X2211	3211

IBM Personal Computer XT

Type 5162 Supplement for
the Hardware Maintenance

Reference*

68X2212

3212

BASIC Reference Manual

Version 3.2

6280075

0075

* The IBM Token-Ring Network PC Adapter Hardware Maintenance and Service product (6165880) requires an update to operate correctly on the 5162. Contact the IBM Support Center or the National Distribution Division Dealer Support Center for the update.

The installation instructions for options contain the instructions to install the option, a warranty, and where appropriate, basic operational instructions. These publications are shipped with the options. The IBM Personal Computer Guide to Operations contains exceptions to the installation instructions for previously announced special features and options. Refer to this publication prior to installing any special features.

SLSS is not available for any of the above publications.

Publications for purchase are available through the branch office, IBM Authorized PC Dealers, or the Technical Directory by calling 800-IBM-PCTB.

Publications may be ordered as feature codes with the PC XT Model 286 machine order or as features of the special ordering vehicle 5150-ZZZ for installed machines.

SCHEDULE

Planned availability is September 2, 1986.

TECHNICAL INFORMATION

SYSTEM UNIT

The IBM PC XT Model 286 provides the following standard functions and characteristics:

- o 640 KB of memory on the planar
- o 6 MHz Intel 80286 microprocessor with zero wait-state
- o Five 16-bit and three 8-bit expansion slots
- o Time and date clock with battery backup (customer replaceable battery)
- o One 1.2 MB 5.25" diskette drive (half-high)
- o One 1.2 MB 5.25" diskette drive (half-high)
- o One 20 MB/85ms fixed disk
- o One fixed disk and diskette drive adapter (occupies one 16-bit

- expansion slot)
- o One serial/parallel adapter (occupies one 16-bit expansion slot)
- o Enhanced Personal Computer Keyboard
- o Hardware and software compatibility with current IBM PC family
- o BASIC language provided
- o 157 watt universal power supply (auto-sensing for line frequency and voltage)
- o One year warranty
- o Dimensions:
 - Length -- 500mm (19.6')
 - Length -- 500mm (19.6')
 - Depth -- 410mm (16.1')
 - Depth -- 410mm (16.1')
 - Height -- 142mm (5.5')
 - Height -- 142mm (5.5')
- o Weight:
 - 12.7Kg (28 lbs)
- o Electrical:
 - 90-137V, 57-63 Hz
 - 180-265V, 47-53 Hz
- o Ambient Air Temperature:
 - System on: 15.6-32.2C (60 (degs)-90 (degs) F)
 - System off: 10.0-43C (50 (degs)-110 (degs) F)
- o Humidity:
 - System on: 8-80% RH
 - System off: 20-80% RH
- o BTU Output:
 - 824 BTU/hr
- o Noise Level: Class 3 (office environment)
- o FCC Class: B
- o Electrical current leakage: The IBM Personal Computer XT Model 286 is specifically designed to meet current leakage requirements established by the National Fire Protection Code NFPA76B for data processing use in hospital environments.
 - The electrical current leakage of the PC XT Model 286 averages 350-450 microamps for the 230 volt range and does not exceed 225 microamps for the 115 volt range.

Please consult local ordinances, the National Fire Protection and UL codes for specific details on use in the hospital environment.

PROGRAMMING REQUIREMENTS: IBM PC DOS users require DOS version 3.2. IBM Personal Computer XENIX (TM) Operating System users require XENIX Version 2.0.

XENIX is a trademark of Microsoft, Inc.

CURRENT SPECIAL FEATURES

The PC XT Model 286 supports most special features associated with the current PC XT and AT (R) families. These features include:

- o Binary Synchronous Communications Adapter (#1204)
- o Color/Graphics Monitor Adapter (#4910)
- o Communications Adapter Cable (#2067)
- o Data Acquisition and Control Adapter (#1502)
- o Data Acquisition and Control Adapter Distribution Panel (#1504)
- o Enhanced Graphics Adapter (#1200)
- o General Purpose Interface Bus Adapter (#1503)
- o General Purpose Interface Bus Adapter Cable (#5040)
- o Graphics Memory Expansion Card (#1201)
- o Graphics Memory Module Kit (#1203)
- o Math Co-processor (#0211)
- o Memory Expansion Adapter (#3395)
- o Memory Module Kit (#3397)
- o Monochrome Display and Printer Adapter (#4900)
- o PC Network Adapter (#0213)
- o Personal Computer 2400 BPS Modem (#4829)
- o Prototype Adapter (8-bit) (#1400)
- o Serial Adapter Cable (#0217)
- o Serial Adapter Connector (#0242)
- o Serial/Parallel Adapter (#0215)
- o SDLC Communications Adapter (#1205)
- o 3278/3279 Emulation Adapter (#5050)
- o Enhanced 5250 Emulation Version 2.1 Installation Convenience Kit (#2870)
- o 512 KB/2 MB Memory Expansion Option (#3343)
- o 512 KB Memory Module Kit (#3339)
- o Keylock (#3177)
- o Token Ring Network PC Adapter (#3391)(1)

- o Token Ring Network PC Adapter Cable (#3390)
 - o Token Ring Network PC Adapter II (#5063)(1)
 - o IBM Personal Computer 1200 bps Modem (#4805)
 - o ROLM Juniper II (Business Communications Adapter #46614)(2)
 - o Voice Communication Option (#4771)
 - o Personal Telephone Manager Adapter (#8982)
 - o 5364 Driver Card (#4548)(3)
 - o PC Network Short Distance Kit (#0231)
 - o PC Network Medium Distance Kit (#0232)
 - o PC Network Long Distance Kit (#0233)
 - o PC Network Cabling Segment -- 25 Foot (#0234)
 - o PC Network Cabling Segment -- 50 Foot (#0235)
 - o PC Network Cabling Segment -- 100 Foot (#0236)
 - o PC Network Cabling Segment -- 200 Foot (#0237)
 - o Enhanced Display Station Emulation Adapter Kit (#2871)
 - o 6157 Tape Attachment (#4156)
- (1) These features require an update to the Adapter Handler Program to operate on the 5162. PTF #UR17210 is available from the IBM Support Center and the NDD Dealer Support Centers.
 - (2) For information concerning ROLM products, contact your local ROLM dealer or call 800-321-ROLM.
 - (3) The 5364 attachment code provided with System/36 SSP (5727-SS6) Release 4 requires PTF #04489 to be installed in the directly attached PC. Without this PTF, false hardware errors may occur.

INPUT/OUTPUT DEVICES SUPPORTED

- o Communications:
 - 5178 Model 1 Network Translator Unit
 - 5841 Model 1 Modem (1200 bps stand-alone)
 - 5842 Model 1 2400 BPS Modem
- o Displays:
 - 5151 Model 1 Monochrome Display
 - 5153 Model 1 Color Display
 - 5154 Model 1 Enhanced Color Display
- o Printers:
 - 3812 Model 1 Page Printer
 - 3852 Model 2 Color Jetprinter
 - 4201 Model 1 Proprinter (TM)

- 4202 Model 1 Proprinter XL
- 5152 Model 2 Graphics Printer (withdrawn from marketing)
- 5201 Model 1, Model 2 Quietwriter
- 5216 Model 1 Wheelprinter
- 5223 Model 1 Wheelprinter E
- 6180 Model 1 Color Plotter
- 7372 Model 1 Color Plotter
- 7374 Model 1 Color Plotter
- 7375 Model 2 Color Plotter

o Direct Access Storage Devices:

- 4865 Model 2 3.5' External Diskette Drive (mutually exclusive with F/C 0357 -- 3.5' Internal Diskette Drive).
- 4865 Model 2 3.5' External Diskette Drive (mutually exclusive with F/C 0357 -- 3.5' Internal Diskette Drive).

o Other

- 6157 Streaming Tape Drive

COMPATIBILITY: The PC XT Model 286 is compatible with most hardware and software currently supported by the PC XT and AT. See Attachment A with this letter for a detailed list of compatible software.

PREREQUISITES: The PC XT Model 286 requires an IBM display (5151, 5153, 5154) or equivalent and an appropriate display adapter.

LIMITATIONS: The 5161 Expansion Unit is not supported by the PC XT Model 286.

PLANNING INFORMATION

CUSTOMER RESPONSIBILITIES: The PC XT Model 286 is designated as customer setup. Installation instructions are included with the system and features. CSU allowance is one day.

CABLE ORDERS: Required cabling is included in the Special Feature listings in the 5162 Sales Manual pages.

INSTALLABILITY: Following the installation instructions, the user attaches the keyboard and peripherals and installs any special features. Power is then turned on and Setup is run as instructed on the screen.

PROBLEM DETERMINATION: If a failure is found during power-on, an instruction will appear on the screen. If the test is successfully completed, the system attempts to load an operating system from the 'A' drive. If an operating system is not found, the system attempts 'A' drive. If an operating system is not found, the system attempts

to load one from the 'C' fixed disk drive. If not found there, BASIC to load one from the 'C' fixed disk drive. If not found there, BASIC interpreter is made ready, identified on the screen, and the system is ready for use.

PACKAGING: The IBM PC XT Model 286 will be packaged in two separate cartons:

- o The system unit carton (P/N 68X4286) contains the system unit.
- o The ship group carton (P/N 62X1086) contains:
 - Welcome Package
 - Letter of thanks
 - Customer questionnaire
 - Guide to Operations Manual with Customer Diagnostic Diskette
 - System Unit power cord
 - Enhanced Personal Computer Keyboard and cable
 - Keyboard Template Kit

The 3.5' Internal Diskette Drive will be packaged with a

The 3.5' Internal Diskette Drive will be packaged with a special device driver diskette, a conversion package and installation instructions.

All other special features are packaged in the conventional manner.

SECURITY, AUDITABILITY, AND CONTROL

User management is responsible for evaluation, selection, and implementation of security features, administrative procedures, and appropriate controls in application systems and communications facilities.

If sensitive data is sent over external communication facilities, the user may wish to utilize cryptography.

TERMS AND CONDITIONS

VOLUME PURCHASE DISCOUNT: Volume purchasing is available under the Volume Procurement Amendment (VPA) to Agreement for Purchase of IBM Machines.

The IBM PC XT 5162 Model 286 is included in Category A of the VPA Workstations Exhibit (32WS-9), Category A of the Qualified Educational Institutions/Hospitals Exhibit (515E-34), and Category A of the IBM Personal Computer Exhibit (5150-18 or later). The quantity of IBM 5162 machines may be combined with quantities of other machines in the same Categories of the Exhibit, to determine

the applicable discount.

For further information regarding volume orders, contact your IBM marketing representative.

CUSTOMER FULFILLMENT OPTION (CFO): The PC XT Model 286 is eligible for CFO.

IBM CREDIT CORPORATION FINANCING: Term leases and installment payment plans are available.

ELIGIBLE MACHINE UNDER ALTERNATIVE CERTIFICATION FOR IBM MACHINES:

Eligible Machine under Alternative Certification for IBM Machines:
No.

WARRANTY PERIOD: One year for the IBM PC XT 5162 Model 286, the high capacity Diskette Drive, the 5.25' 360 KB Diskette Drive, and the capacity Diskette Drive, the 5.25' 360 KB Diskette Drive, and the 3.5' Internal Diskette Drive.

3.5' Internal Diskette Drive.

WARRANTY SERVICE: Customer Carry-In Repair (CCR)

WARRANTY OPTIONS: IBM On-Site Repair (IOR)

IBM MAINTENANCE AGREEMENT:

o Types of Service

- IBM On-Site Repair (IOR)
- Customer Carry-In Repair (CCR)

VOLUME MAINTENANCE AMENDMENT APPLIES:: Yes

PRODUCT AVAILABILITY STATUS: New product available

CUSTOMER SETUP: Yes, CSU allowance is one day. IBM set up is available at the applicable IBM hourly service rates and minimum charges.

EDUCATIONAL ALLOWANCE: A 20% educational allowance is available to qualifying institutions in accordance with the Educational Allowance Amendment. The educational allowance is not additive to any other discount or allowance.

MACHINE GROUP: A.

IBM HOURLY SERVICE RATE CLASSIFICATION: 2

CHARGES

DESCRIPTION	MACHINE TYPE	MODEL	PURCHASE PRICE
System/Unit			
Keyboard	5162	286	\$3,995

SPECIAL FEATURE	PART NUMBER	FEATURE CODE	PURCHASE PRICE
3.5' Internal 3.5' Internal Diskette Drive	6450357	0357	\$190
High Capacity Diskette Drive	6450359	0359	275
5.25' 360 KB 5.25' 360 KB Diskette Drive	6450360	0360	225

ANNUAL MINIMUM MAINTENANCE CHARGES:

MACHINE	MODEL	IBM ON-SITE REPAIR (IOR)	CUSTOMER CARRY-IN REPAIR (CCR)
5162	286	\$336	\$240

MINIMUM WARRANTY OPTION CHARGES:

MACHINE	MODEL	IBM ON-SITE REPAIR (IOR)
5162	286	\$96

ACCESSORIES:

DESCRIPTION	PART NUMBER	PURCHASE PRICE
Battery	72X8498	\$8.95

Accessories can be ordered through the National Distribution Division (NDD), Dayton, NJ, using the appropriate part number, or by calling IBM Direct, 800-426-2468.

---NOTICE TO CUSTOMERS---NOTICE TO CUSTOMERS---

September 2, 1986

VOLUME PROCUREMENT AMENDMENT EXHIBITS FOR IBM PERSONAL COMPUTERS
REVISED

Today, IBM announced modifications to the exhibits used with the Volume Procurement Amendment (VPA) for IBM Workstations and VPA for Qualified Educational Institutions/Hospitals. Revisions to these exhibits involve the addition of the IBM PC XT (TM) 5162 Model 286 in Category A effective immediately.

For customers with either a 32WS or 515E Exhibit in effect, the attached VPA Exhibits (32WS-9 or 515E-34) automatically supersede your present VPA Exhibit. Customers with a VPA Exhibit (5150-18 or

later) may order a 5162 in Category A. You should refer to this revised Exhibit when placing orders for the Category A machines under your VPA.

Customers with an existing IBM Personal Computer VPA in effect with a commitment in Category A may order the IBM PC XT (5162) Model 286 either as additional quantities to, or as direct substitutes for, the other machines listed in Category A, subject to availability.

If sufficient additional quantities are ordered to qualify for a greater discount, a Supplement for Additional Quantities must be signed, and all machines shipped on and after the date the signed supplement is received by IBM, and prior to expiration of the contract period, will receive the greater discount.

If you have any questions regarding this notification, please contact your IBM marketing representative.

ATTACHMENT A

SOFTWARE COMPATIBILITY

The following software products have been tested for compatibility on the IBM Personal Computer XT (TM) 5162 Model 286 with DOS 3.2, and determined to operate substantially as described in their program documentation.

TYPE/NAME	VERSION	5.25' DISKETTE	3.5" DISKETTE
OPERATING SYSTEMS:			
DOS/BASICA/BASIC	3.20	6280057	6280058
XENIX (TM) (Microsoft Corp)(1),(10)	2.00	59X9932	
LANGUAGES:			
APL	1.00	6024077	
BASIC Compiler/Runtime	2.01	6024216	6280078
COBOL Compiler/Runtime	1.00	6024011	
FORTRAN Compiler	2.00	6024127	
Macro Assembler	2.00	6024193	6280077
Pascal Compiler	2.01	6024128	
Professional FORTRAN	1.00	6024200	
C Compiler	1.00	6280072	6280081
IBM PC Sort	1.00	6024138	
COMMUNICATIONS:			

3101 Emulation	1.01	6024042	
Asynchronous Communications	2.00	6024032	
Bisync 3270 Emulation	1.01	6024037	
PC LAN Program	1.12	6280083	
PC 3270 Emulation Program	2.01	59X9951	
SNA 3270 Emulation/RJE	1.01	6024036	
PC Displaycom BSC	1.10	6024210	
Mainframe Communication			
Assistant	1.05	6024451	6024452
PC Network Analysis Program	1.01	6489762	
PC 3270 Emulation PGM			
Entry Level	1.00	59X9904	
Voice-Activated Keyboard Utility	1.00	6280742	
Augmented Phone Services	1.00	6280740	
Telephone Access to			
Office Systems	1.10	6467039	
Token-Ring Interconnect			
Program	1.00	6467036	
Token-Ring Network			
NETBIOS (TM) (2)	1.00	6467037	
Local Area Network Print Manager	1.00	6317042	
APPC/PC Program to Program	1.00	6467038	
Personal Telephone Manager	1.10	8501870	
Enhanced 5250 Emulation Program	2.10	6386354	
PC Support/36 (5360/5362)	4.00	5727-WS1	
PC Support/36 Workstation			
Feature (6248)	4.00	5727-WS1	
PC Support/36 Expansion			
Feature (6143)	4.00	5727-WS1	
PC Support/36 (5364)	4.00	5727-WS6	
PC Support/36 Workstation			
Feature (6181)	4.00	5727-WS6	
PC Support/36 Expansion			
Feature (6142)	4.00	5727-WS6	
PC Support/38(3)	7.00	5714-PC1	
PC Support/38 Expansion			
Feature (6550)	7.00	5714-PC1	
3278 Emulation via IBM PC			

(5360/5362) (6080)	1.00	5727-EP1
3278 Emulation via IBM PC		
(5364) (6091)	1.00	5727-EP6
5364 System Support Program	4.00	5727-SS6
PROFS (TM) PC Support Facility	2.00	5664-309
Personal Services/PC	1.04	6403826
ROLM (TM) Juniper II --		
Personal Communication		
Software and Terminal		
Emulation(13)	1.10	8501379
BUSINESS PRODUCTIVITY:		
EZ-VU Runtime Facility (ISPF/PC)	2.00	6317025
EZ-VU Development Facility		
(ISPF/PC)	2.00	6317026
EZ-VU (ISPF/PDF) Editor	1.00	6466974
CSP/App Generation (EX-PREP)	1.10	6317011
CSP/App Execution (EZ-RUN)	1.10	6317010
Doctor's Office Manager II	1.00	6467035
IBM Business Management Series:	1.00	
General Ledger		6410950
Accounts Receivable		6410952
Accounts Payable		6410951
Inventory Accounting		6410955
Order Entry & Invoicing		6410954
Payroll Edition		6410953
Financial Extensions(4)		6410957
Accounting Extensions(4)		6410958
LAN Access Edition		6410965
IBM Business Adviser:	1.00	
General Accounting Edition		6466988
Accounts Payable Edition		6466989
Accounts Receivable Edition		6466990
Payroll Edition		6466991
Network Extension Edition (12)		6466992
Inventory Control Edition		6466993
Order Entry Edition		6466994
Information Management		

Edition		6466995	
IBM Personal Decision Series:	1.00		
Data Edition		6410936	6466983
Reports+ Edition		6410937	6466984
Graphs Edition (11)		6410938	6403821
Plans Edition		6410939	6466986
Words Edition		6410940	6466985
Plans+ Edition		6410972	6466987
Mailing Labels(4)		6410942	
Asset Catalog(4)		6410943	
Prospect Tracking(4)		6410944	
Client Time/Cost			
Accounting(4)		6410945	
Appointment Calendar(4)		6410946	
PC/Videotex	B1.10	6410985	
VTX/GRAF	1.10	6317012	
PC/Colorview	1.10	6410982	
PC Storyboard	1.11	6316998	
IBM PC Pilot	1.00	6316973	
RS/1	12.00	6317003	
IBM Accounting Assistant Series:	1.00		
Accounts Payable Edition		6317050	6467004
Billing/Accounts Receivable			
Edition		6317051	6467005
General Accounting Edition		6317049	6467003
Inventory Control/Purchasing			
Edition		6317053	6467007
Job Cost Edition		6317054	6467008
Payroll Edition		6317052	6467006
IBM Filing Assistant (R)	2.00	6024457	(dual package)
IBM Graphing Assistant	2.00	6024458	(dual package)
IBM Reporting Assistant	2.00	6024459	(dual package)
IBM Writing Assistant	2.00	6024460	(dual package)
IBM Planning Assistant	2.00	6024461	(dual package)
IBM Drawing Assistant	1.00	6024089	
IBM Project Assistant	1.00	6024462	
Voice/Phone Assistant	1.00	6280741	
Document Retrieval Assistant	1.00	6024306	

IBM DisplayWrite Assistant	1.00	59X9958 (dual package)
PC DisplayWrite 3	1.10	6280845 6489766
PC DisplayWrite 4	1.00	74X9904 74X9913
Personal Editor	1.00	6024051
Professional Editor	1.00	6024048
SPECIAL:		
TopView (TM)	1.10	6024453
TopView ToolKit	1.10	6024454
XENIX Software Development		
System(1)	2.00	59X9939
XENIX Text Formatting		
System(1)	2.00	59X9941
XENIX Operating System		
Extensions(1)	1.00	59X9943
ENGINEERING/SCIENTIFIC:		
Graphics Development ToolKit	1.10	6280076
Graphics Kernel System	1.00	6024203
Graphics Plotting System	1.00	6024204
Graphics File System	1.00	6024205
IEEE 488 S-R (GPIB)	1.00	6024201
DACS S-R/Distribution	1.00	6024202
EDUCATION:		
Earth Sciences Series: (1-7)	1.00	
Hydrologic Cycle		6024121
Ground Water		6024122
Surface Water		6024123
Moisture in the Atmosphere		6024124
Earthquakes		6024322
Volcanoes		6024323
Landslides		6024324
Biology Series: (1-20)	1.00	
Cell Functions:		
Growth and Mitosis		6024316
Chemicals of Life I:		
The Structure of Matter		6024317
Chemicals of Life II: Water, Carbohydrates and Lipids		6024344
Chemicals of Life III:		

Proteins and Nucleic Acids	6024409
Leaf: Structure and Physiology	6024318
Light, Plants & Photosynthesis:	
Energy in Conversion	6024319
Passive Transport: Diffusion	
and Osmosis	6024320
Plants: Growth and	
Specialization	6024321
Pathology: Diseases and	
Defenses	6024343
Modern Genetics: Chromosomes	
and Coding	6024345
Human Life Processes I:	
Cellular Physiology	6024346
Human Life Processes II:	
Systems Level	6024411
Human Life Processes III:	
Development and Differentiation	6024414
Cytology & Histology:	
Cells and Tissues	6024407
Mendelian Genetics:	
The Science of Inheritance	6024408
Regulation & Homeostasis:	
Systems in Balance	6024410
The Environment I: Habitats	
Habitats and Ecosystems	6024412
The Environment II:	
Cycles and Interactions	6024413
Pollination and Fertilization:	
Seeds, Fruits and Embryos	6024415
Taxonomy: Classification	
and Organization	6024416
Physics Discovery Series: (1-7)	1.01
Investigating Acceleration	6024403
Investigating Gravitational	
Force	6024404
Investigating Thermal Energy	6024405
Investigating Conservation of Energy	6024406

Investigating Wave Interference		6024466
Investigating Electric Fields		6024464
Investigating Models of Light		6024465
Karel the Robot	1.00	6024066
Electric Poet (R) (Color Control Corp.)	1.00	6024172
Logo	1.00	6024076
Logo Learner	1.00	6024136
Listen to Learn	1.00	6024165
Monster Math	1.00	6024072
Private Tutor (TM)	2.00	6024113
Teacher's Quiz Designer	1.00	6024075
Turtle Power(1)	1.00	6024109
Adventures in Math	1.00	6024112
Primary Editor	1.00	6024294
Missing Letters	1.00	6024104
I Can be Anything(1)	1.00	6024304
Rocky's Boots (TM) (The Learning Co.)	1.00	6024099
Private Tutor (TM) Courses:	1.00	
Learning DOS		6024063
Learning to Program in BASIC		6024081
Computers and Communications		6024069
Reading Comprehension Skills		6024325
Vocabulary Building Skills		6024326
Word Knowledge Skills		6024327
Language Skills		6024084
Capitalization Skills		6024085
Spelling Skills		6024086
Punctuation Skills		6024083
Math Computation Skills		6024305
Basic Number Concepts		6024297
Solving Math Word Problems		6024308
Preparing for Geometry and Algebra		6024307
Bumble Plot (TM) (The Learning Co.)	1.00	6024096
Gertrude's Secrets (TM)		

(The Learning Co.)	1.00	6024097
Gertrude's Puzzles (TM)		
(The Learning Co.)	1.00	6024098
Juggle's Butterfly (TM)		
(The Learning Co.)	1.00	6024095
Bouncy Bee Learns Letters	1.00	6024137
Bouncy Bee Learns Words	1.00	6024139
Get Set for Writing to Read (TM)	1.00	6024468
Scientific Reasoning Series: (1-5)	1.00	
Theory Formation: Reflections and Patterns		6024471
Measurement Process: Distance and Area		6024470
Scientific Models: Batteries and Bulbs and Families		6024472
Ratio Reasoning: Crystals and Speed		6024473
Concept Development: Heat and Temperature, and Graphs		6024474
Classroom LAN Administrative System	1.00	6024159
Comma Cat (R) (Control Color Corp.)	1.00	6024093
Dictionary Dog (R) (Control Color Corp.)	1.00	6024067
Typing Tutor	1.00	6024013
Bumble Games (TM)		
(The Learning Co.)	1.00	6024094
Basic Skills Series:		
Reading for Meaning: Level I	1.00	6024330
Reading for Meaning: Level II	1.00	6024336
ReIding for Meaning: Level II	1.00	6024337
Reading for Meaning: Level IV	1.00	6024338
Reading for Information: Level II	1.00	6024358
Reading for Information:		

Level III	1.00	6024359
Reading for Information:		
Level IV	1.00	6024360
Vocabulary: Level II	1.00	6024350
Vocabulary: Level III	1.00	6024351
Vocabulary: Level IV	1.00	6024352
Spelling: Level I	1.00	6024347
Spelling: Level II	1.00	6024348
Spelling: Level III	1.00	6024349
Parts of Speech: Level II	1.00	6024333
Parts of Speech: Level III	1.00	6024334
Touch Typing for Beginners	1.00	6024339
Math Concepts: Level P	1.00	6024356
Math Concepts: Level I	1.00	6024355
Math Concepts: Level II	1.00	6024357
Math Concepts: Level III	1.00	6024427
Math Concepts: Level IV	1.00	6024429
Math Practice: Level I	1.00	6024353
Math Practice: Level II	1.00	6024354
Math Practice: Level III	1.00	6024431
Math Practice: Level IV	1.00	6024432
Punctuation: Level II	1.00	6024487
Punctuation: Level III	1.00	6024488
Punctuation: Level IV	1.00	6024489
Combining Sentences: Level II	1.00	6024482
Combining Sentences: Level III	1.00	6024483
Combining Sentences: Level IV	1.00	6024484
Geometry One: Foundations	1.00	6024485
Geometry Two:		
Proofs and Extensions	1.00	6024486
VENDOR LOGO PROGRAMS:		
1-2-3 (R)		
(Lotus Development Corp.)	2.00	
Symphony (R)		
(Lotus Development Corp.)	1.10	(5)
Framework II (TM)		
(Ashton-Tate)	1.00	(6)
dBASE III Plus (TM)		

(Ashton-Tate)	1.00	
WordStar 2000 Plus (R)		
(MicroPro Intl.)	2.00	
R:BASE 5000 (R)		
(Microrim Inc.)	1.01	
Clout (R) (Microrim Inc.)	2.00	
Multimate Advantage		
(MultiMate Intl. Inc.)	3.60B	
Turbo Pascal (TM)		
(Borland)	3.01A	(7)
CHART-MASTER		
(Decision Resources)	6.10	(8)
DIAGRAM-MASTER		
(Decision Resources)	5.01	
WordPerfect (TM)		
(WordPerfect Corp.)	4.10	
Enable (The Software Group)	1.10	(9)

NOTES:

- (1) These products do not use or require the DOS Operating System.
- (2) PTF #UR17210 required.
- (3) Does not support Remote 5250 Emulation (6403685).
- (4) Templates for tested products.
- (5) EGA and monochrome displays are not usable concurrently.
- (6) The special device driver (IBM.KB) provided on the SETUP diskette must be installed.
- (7) Function keys 11 and 12 are not supported.
- (8) 3.5' diskette version not supported.
- (8) 3.5' diskette version not supported.
- (9) Limited use of the new duplicate (separate) keys on the Enhanced Personal Computer Keyboard (PgUp, Home, etc.)
- (10) IBM PC XENIX does not support the following options:
 - BSC Adapter
 - SDLC Adapter
 - General Purpose Interface Bus Adapter
 - Data Acquisition and Control Adapter
 - PC Network Adapter
 - 3.5' External Diskette Drive.
 - 3.5' External Diskette Drive.

To use the 3.5' Internal Diskette Drive with PC XENIX

To use the 3.5' Internal Diskette Drive with PC XENIX

Version 2.00, the following two commands must be executed:

- mknod /dev/mfd1 c 2 139
- mknod /dev/rmfd1 c 2 139.

(11) Users should avoid using the separate (dark grey) arrow, Home, PgUp, PgDn, Del, End and Ins keys and the separate 5 key due to possible erratic results.

(12) Prior to using with the IBM Token-Ring Network, call IBM at 800-IBM-2266 (Monday through Friday 10:00 a.m. to 6:00 p.m. Eastern time) for required installation information.

(13) For information concerning ROLM products, contact your local ROLM dealer or call 800-321-ROLM.

Under the Technical Information section of the external letter, the following two additions are made:

To the Current Special Features section, as last bullet:

- o 6157 Tape Attachment (#4156)

To the Input/Output Devices Supported section, as fourth bullet:

- o 6157 Streaming Tape Drive

Under the Ordering Information section, second paragraph, of the internal announcement letter, the correct ordering vehicle is 5150-ZZZ.

The following corrections have been made to the external announcement letter:

- o Software Requirements section:

- Current Special Features subheading, the General Purpose Interface Bus Adapter Cable is feature #5040.

- o Charges section:

- Accessories subheading, the battery part number is 72X8498.

- o Attachment A - Software Compatibility:

- Private Tutor (TM) Version 2.00 is part number 6024113.
- Math Computation Skills is part number 6024305.