IBM 5100 Portable Computer

▶ ration that will support the system consists of an A2 or C2 processor (32K) and a 5103 printer (if printed output is desired). If a printer is used, a 3601 external I/O adapter is required.

The *APL Econometric Planning Language* is an interactive program that works with economic variables and provides for data analysis and transformation, tabular and graphic display, parameter estimation, model solution, and file handling. Examples of the use of the system include estimating advertising effectiveness, analysis and estimation of potential demand, financial planning, projection of economic indicators, and the study of economic theories. The minimum configuration that will support the system consists of an A4 or C4 processor (64K) and a 5103 printer.

PRICING

POLICY: The 5100 Portable Computer was initially available only on a purchase basis (although an installment purchase arrangement could be made). However, three months after the 5100's introduction, a Purchase Pilot Test Plan was announced. A separate maintenance contract is available. No installation assistance is provided with this product; the customer sets up the system from step-by-step instructions packaged with the unit. The warranty period extends from the date of shipment from the plant for a total of 10 days plus 3 months.

The Purchase Pilot Test Plan provides a Contract Period of three months' use for about 15 percent of the purchase price. This price includes maintenance, and is payable in three equal monthly installments. The plan applies to all models and processor options of the 5100 and to the 5103 Printers and 5106 Auxiliary Tape Unit as well. One additional period of three months can be contracted for. Conversion to purchase can be made at any time, with credit for up to 70 percent of the Test Plan payments. In effect, a three-month trial would raise the price of the 5100 hardware by 4.5 percent. A two-period (six-month) trial would up the hardware price by 9 percent. Purchase prices of the 5100 are protected during the contract period. Obviously, this plan is designed to stir interest in prospective users who are unable to see an im-

mediate pay-off for the 5100 in their operations and are unwilling to risk the full purchase price on a "maybe" basis.

A separately priced set of magnetic tape cartridges furnishes instructions in the BASIC ($225) or APL ($295) programming language. Two source-code data cartridges and a user's guide accompany each program library and include instructional material. The program libraries are furnished for a one-time license fee. The user is expected to maintain duplicate, back-up copies of the data cartridges.

The standard 10 percent educational discount applies to the basic computer and peripherals.

EQUIPMENT: The following prices include all attachment features required, but do not include any program libraries.

MINIMUM BASIC SYSTEM: Consists of BASIC 5100 Model B1, which includes integral CRT display, magnetic tape cartridge, and 16,384 bytes of main storage. About 12,000 bytes of main storage is available to the user. The only programs available that can be run on this configuration are STAT and portions of MATH. The BASIC interpreter is included. The purchase price of this system is $6,285, and the monthly maintenance cost is $63.50.

MINIMUM BUSINESS-ORIENTED SYSTEM: Consists of BASIC 5100 Model B2, which includes integral CRT display, magnetic tape cartridge, and 32,768 bytes of main memory, plus the optional 5103-1 printer. About 28,400 bytes of main memory is available to the user. The Business program library, the MATH library, the STAT library, and the Print Plot library can be run on this configuration. The BASIC interpreter is included. The purchase price is $11,435, and the monthly maintenance cost is $113.00.

LARGE SCIENTIFIC SYSTEM: Consists of APL 5100 Model A4, which includes integral CRT display, magnetic tape cartridge, and 65,536 bytes of main memory, plus the 5103-1 printer and 5106 auxiliary tape unit. About 58,800 bytes of main memory is available to the user. The MATH, Print Plot, and STAT program libraries can be run. The APL interpreter is included. The purchase price is $16,485, and the monthly maintenance cost is $131.00.■

EQUIPMENT PRICES

		Purchase	Monthly Maint.	3-Month Contract Period Charge
PROCESSORS AND MAIN MEMORY				
5100	Portable Computer; includes 1024-character display, magnetic tape cartridge drive, ROS for language processor, and main memory as detailed below:			
	APL Language Interpreter—			
A1	With 16,384 bytes of main memory	$ 6,985	$75.00	$1,500
A2	With 32,768 bytes of main memory	8,160	80.50	1,950
A3	With 49,152 bytes of main memory	9,335	86.50	2,400
A4	With 65,536 bytes of main memory	10,510	92.00	2,850
	BASIC Language Interpreter—			
B1	With 16,384 bytes of main memory	6,285	63.50	1,350
B2	With 32,768 bytes of main memory	7,460	69.00	1,800
B3	With 49,152 bytes of main memory	8,635	75.00	2,250
B4	With 65,536 bytes of main memory	9,810	80.50	2,700
	APL and BASIC Language Interpreters—			
C1	With 16,384 bytes of main memory	7,685	80.50	1,650
C2	With 32,768 bytes of main memory	8,860	86.50	2,100
C3	With 49,152 bytes of main memory	10,035	92.00	2,550
C4	With 65,536 bytes of main memory	11,210	98.00	3,000
PROCESSOR UPGRADE OPTIONS				
—	A1 to A4	3,525	—	—
—	A1 to C1	700	—	—
—	A1 to C4	4,225	—	—

IBM 5100 Portable Computer

		Purchase	Monthly Maint.	3-Month Contract Period Charge
PROCESSOR UPGRADE OPTIONS (Continued)				
—	B1 to B4	3,525	—	—
—	B1 to C1	1,400	—	—
—	B1 to C4	4,950	—	—
—	C1 to C4	3,525	—	—
—	C2 to C4	2,350	—	—
—	C3 to C4	1,175	—	—
OPTIONS				
1524	Expansion Feature; required for Communications Adapter	300	6	45
1525	Communications Adapter	600	10	90
3601	External I/O Adapter; required for 5103 Printer or 5106 Auxiliary Tape Unit	300	6	45
6301	Serial I/O Adapter, 20 to 9600 bps	700	15	105
1501	Carrying Case, soft	125	—	—
MAGNETIC TAPE DRIVES				
5106	Auxiliary Tape Unit	2,300	10	555
	Tape Cartridges, per package of five	100	—	—
PRINTERS				
5103-1	Printer, 80 cps	3,675	29	555
5103-2	Printer, 120 cps	4,175	35	627
—	Upgrade option, from 80 to 120 cps	1,000	—	—

SOFTWARE PRICES

UTILITY PROGRAMS

		License Fee
5721	Problem Solver Libraries—	
-XM3	Business Analysis, BASIC	$500.00
	User's Guide	19.00
-XM1	MATH, BASIC	500.00
	User's Guide	23.00
-XM2	MATH, APL	500.00
	User's Guide	17.50
-XA1	STAT, BASIC	500.00
	User's Guide	22.50
-XA2	STAT, APL	500.00
	User's Guide	22.50
-DC1	Print Plot, BASIC	500.00
-DC2	Print Plot, APL	500.00
5798-NFX	APL GRAPHPAK	400.00

ACCOUNTING PROGRAMS

		Monthly Charge*
5796-NJC	Dental Office Management System	$150
-NJD	Computing for an Accounting Practice	120
-NKA	Travel Agency Accounting System	200
-NKB	Mortgage Closing and Property Settlement	80
5798-NGA	APL Coordinate Geometry System	176
-NHY	APL Econometric Planning Language	280

*Applies for 12 months only.