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at the display. Format Management (FM) is the execution-time component of DPS. FM can be used on systems without the IMD feature. In this case, maps must be created by IMD on an 8100 processor licensed for this feature.

DPPX/DATA BASE AND TRANSACTION MANAGEMENT SYSTEM (DTMS): Provides transaction management and routing as well as data base management and control for the 8100/DPPX system. Facilities to assist in developing, operating, and managing on-line applications are provided. The need for extensive user-developed system programs to manage terminals and data in this environment is greatly reduced.

DPPX/3270 DATA STREAM CAPABILITY (DSC): A licensed program that allows certain keyboard display and printer units attached to the 8100 to communicate with System/370 host application programs as if the units were directly attached by data link to the host processor. The 8100 can be installed as a distributed processor while most existing 3270 applications at the System/370 host continue to run without change.

DPPX/REMOTE JOB ENTRY-WORKSTATION FACILITY (RJE): Permits the 8100 to function as an SNA or BSC remote job entry workstation for submitting jobs to a host System/370. The host requires an OS/VS or VM/370 operating system with a job entry subsystem installed.

DPPX/SORT/MERGE (SORT): Provides a sort for the 8100 system that is designed to run with the DPPX/Base and provides users with facilities for extracting and sequencing data sets. DPPX/SORT is designed to address the users' need for sorting and merging of single or multiple types of records from one or more data sets. Related tasks, such as selecting certain records from one or more data sets, are also handled.

DEVELOPMENT MANAGEMENT SYSTEM (DMS)/ DPPX: A program product that aids in the design and generation of application programs by providing a simple programming interface to the user. Programs generated by DMS/DPPX are in DPPX/COBOL source code.

DPPX/PARAMETER TABLE GENERATION FACILITY (GEN3644): Provides an efficient means for customizing the 3644 Automatic Data Unit (ADU). The 3644 ADU attaches to the 8100 or the 3630 Plant Communication System and creates an automatic interface between the system and a wide variety of actuators, instruments, computers, and production subsystems. DPPX/GEN3644 customizing consists of selecting 3644 functions and specifying the initial values of stored data items. DPPX/GEN3644 translates the customization data into the format necessary for transmission to the 3644. Translation is performed by editing the source data and converting it into a parameter table format for loading into the 3644. The resulting parameter table works with the 3644 functions provided by IBM. DPPX/GEN3644 also produces a listing of the source data entered by the user. Extensive edits are performed both on a record basis and on an overall table basis. Errors noted on the 3644 program listing are corrected by changing the original input and resubmitting the job. The output of DPPX/GEN3644 is a sequential file containing the Parameter Table Load (PTL) data as required for transfer to the 3644. The records on the sequential file are 256 bytes long.

DISTRIBUTED SYSTEMS EXECUTIVE (DSX): A set of routines and files that give IBM 8100 and 3790 system network users a simple and comprehensive means of data and network management. DSX combines, in one product, the host libraries, holding files, and control files, and the transmission, formatting, and reporting functions needed for library and transmission control in 8100 and 3790 system networks.

HOST COMMAND FACILITY: Designed to enable a System/370 attached terminal to function as if it were directly attached to an 8100/DPPX or DPCX system, the Host Command Facility gives the operator at a central System/370 site the capability to operate and control remote SDLC-connected 8100 systems. Nearly all maintenance, service, and control functions become available at the central System/370 site for problem determination, problem isolation, and remote system control. The System/370 must be running under MVS VTAM/TCAM, VS1 VTAM/TCAM, or DOS/VS VTAM.

DPPX/PERFORMANCE TOOL (PT): A program product consisting of the DPPX/PT Monitor and the DPPX/PT Reporter feature. DPPX/PT monitors and reports the activity of components of the DPPX/Base program product. The DPPX/PT Monitor collects performance data, and the DPPX/PT Reporter generates reports on the basis of data collected by the Monitor.

SUBSYSTEM INFORMATION RETRIEVAL FACILITY: Provides the host location with the ability to retrieve incident and status information, execute problem determination routines, and modify, with appropriate control, distributed system control code. This facility will be available for System/370 systems running under OS/VS-VTAM, ACF/VTAM, DOS/VS-VTAM, ACF/VTAM, OS/VS-TCAM, and DOS/VS-EXTM.

PRICING

POLICY: IBM offers the 8100 Information System for purchase, monthly rental, or on a two-year lease. Rental and lease arrangements include prime-shift maintenance. Purchased components may have a separate maintenance contract.

All 8100 system components listed in the accompanying price table are in maintenance category A, except the 8809 tape drives and the 3289-3 printer, which are in category D. These categories determine the schedule of extended maintenance charges. The two schedules differ for extended Monday-through-Friday maintenance. Prime-shift maintenance is provided for any consecutive nine-hour period between 7 a.m. and 6 p.m., Monday through Friday. The premium for extended maintenance is expressed in the table below as a percentage of the prime-shift maintenance charges, which are shown in the accompanying price list.

	Consecutive Hours				
	9*	12	16	20	24
Monday-Friday—					
Category A	10%	14%	18%	22%	26%
Category D	10	12	14	16	18
Saturday	4	5	7	8	9
Sunday	5	7	9	11	12

*For periods outside the basic 7 a.m. to 6 p.m. prime shift.

For users without a maintenance contract, the 8100 is maintained under per-call class 1. Under this class the per-call charge during regular hours is $61.00 per hour, and during off hours the charge is $71.00 per hour. The hourly rate for systems engineering service is $66.00. Programming service/programming assistance costs $89 per hour during regular hours and $102 per hour outside regular hours.

The current Agreement for Lease or Rental of IBM Machines provides users with a single contract on which they can specify ►

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▶ mixtures of rental and leased equipment, each with various terms. CPU's rented under the plan can be terminated or downgraded on 90 days' notice, and all other rented equipment can be terminated or downgraded on 30 days' notice. Base terms and extension terms are specified for each piece of equipment obtained through a leasing agreement.

The termination charge for the two-year lease arrangement is the lower of 5 months' charges or 25 percent of the remaining value of the lease. The lease arrangement also guarantees a maximum rate of increases for extended leasing periods; the rate for all 8100 components is five percent per year beginning in the second year.

All 8100 components qualify for unlimited usage. Purchase credits can be accrued up to a maximum of 55 percent. All components except the 8809 tape drives and 3289-3 printer are classified as Customer Set-Up, which permits (or requires) users to install the components themselves.

EQUIPMENT: The following are representative 8100 Information System configurations.

SIX-TERMINAL 8100 SYSTEM: Includes a processor with 348K bytes of memory, 58 million characters of disk storage, 3 printers, 6 display terminals, and 1 communications link. Purchase price is $100,742. The same system can be leased for $2,888 per month under a two-year agreement or rented for $3,094 per month.

EIGHTEEN-TERMINAL 8100 SYSTEM: Includes a processor with 512K bytes of memory, 58 million characters of disk storage, 1 magnetic tape unit, 5 printers, communications link, and 18 information display terminals. Purchase price is $169,946. The same system can be leased for $4,748 per month under a two-year agreement or rented for $5,582 per month. ■

EQUIPMENT PRICES

		Purchase Price	Monthly Maint.	Monthly Rental*	2-Year Lease*
PROCESSORS AND MAIN MEMORY					
8130	Basic processor; includes 256K bytes of main memory, up to 1-megabyte removable diskette storage, one disk module, disk storage as indicated, instruction set, up to eight I/O hardware interrupt levels, provisions for up to two communications ports:				
A21	29 megabytes disk storage	$25,200	$128.00	$754	$ 642
A22	23 megabytes disk storage, 131K fixed-head capacity	25,950	136.00	778	662
A23	64 megabytes disk storage	26,700	136.00	801	682
A24	58 megabytes disk storage, 131K fixed-head capacity	27,450	144.00	825	702
8140	Basic processor; includes main memory as indicated, 4K bytes non-programmable ROM, up to 64 megabytes disk storage with movable heads or up to 58 megabytes disk storage with removable and fixed heads, instruction set, eight I/O interrupt levels:				
A31	256K bytes of main memory, 29 megabytes disk storage	34,710	181.00	1,204	1,025
A32	256K bytes of main memory, 23 megabytes disk storage, 131K fixed-head capacity	35,460	190.00	1,228	1,045
A33	256K bytes of main memory, 64 megabytes disk storage	36,210	190.00	1,251	1,065
A34	256K bytes of main memory, 58 megabytes disk storage, 131K fixed-head capacity	36,960	198.00	1,275	1,085
A41	320K bytes of main memory, 29 megabytes disk storage, floating-point arithmetic	42,270	222.00	1,510	1,285
A42	320K bytes of main memory, 23 megabytes disk storage, 131K fixed-head capacity, floating-point arithmetic	43,020	231.00	1,533	1,305
A43	320K bytes of main memory, 64 megabytes disk storage, floating-point arithmetic	43,770	231.00	1,557	1,325
A44	320K bytes of main memory, 58 megabytes disk storage, 131K fixed-head capacity, floating-point arithmetic	44,520	239.00	1,580	1,345
A51	512K bytes of main memory, 29 megabytes disk storage	47,810	244.00	1,857	1,580
A52	512K bytes of main memory, 23 megabytes disk storage, 131K fixed-head capacity	48,560	253.00	1,880	1,600
A53	512K bytes of main memory, 64 megabytes disk storage	49,310	253.00	1,904	1,620
A54	512K bytes of main memory, 58 megabytes disk storage, 131K fixed-head capacity	50,060	261.00	1,927	1,640
1710	128K bytes additional storage for 8130 processor; maximum one per processor (cannot be used if 1720 storage is used)	2,360	7.50	87	74
1720	256K bytes additional storage for 8130 processor; maximum one per processor (cannot be used if 1710 storage is used)	4,725	15.00	175	149
1490	128K-byte storage increment for 8140 processor, models A31 through A34; maximum one per processor	6,540	31.50	324	276
8101	Storage and Input/Output Unit; provides additional disk storage and device attachment capability for 8130/40 processors; maximum two per 8130 processor, four per 8140 processor:				
A10	Device attachment capability	6,820	17.50	213	181
A11	Provides 29 megabytes disk storage with movable heads	15,710	58.00	508	432
A13	Provides 64 megabytes disk storage with movable heads	17,230	66.50	560	477
PROCESSOR OPTIONS AND FEATURES					
Features for 8130 Processors:					
1520	Feature Expansion, Type I; allows four additional communications ports to be attached to 8130 processor for a maximum of six ports; required for attachment of two lobe loops or communications features requiring 5200 multi-speed clock; maximum one per processor	425	0.50	14	12
1530	System Expansion; provides additional interrupt levels; required for attachment of up to two 8101 Storage and Input/Output Units or one 8101 and one 8809 Magnetic Tape Unit, Model 1B, to processor; maximum one per processor	2,520	11.00	75	64

*Includes maintenance.

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EQUIPMENT PRICES

		Purchase Price	Monthly Maint.	Monthly Rental*	2-Year Lease*
PROCESSOR OPTIONS AND FEATURES (Continued)					
5500	Non-Switched Integrated Modem, 600/1200 bps; requires 1601 SDLC Communications Adapter with Clock or 1603 BSC/SS Communications with Clock	668	5.00	20	17
Features for 8130 and 8140 Processors Via The 8101 Storage and I/O Unit					
1501	Display and Printer Attachment, Type I; provides attachment of 3277 display, 3287 printer, and 3284, 3286, or 3288 printers (8101 A11 and A13 units only); requires 1505/06 adapters	945	4.00	28	24
1502	Display and Printer Attachment, Type II; same as 1501 but requires 1503	420	0.50	13	11
1503	Communications Attachment, Type I; provides attachment of loops and communication ports (8101 A11 and A13 units only)	945	4.00	28	24
1504	Communications Attachment, Type II; same as 1503; requires 1503	420	0.50	13	11
1505	Display and Printer Adapter	2,415	15.50	80	68
1506	Additional Display and Printer Adapter	441	3.00	13	11
1507	Diskette Drive/Tape Attachment	940	4.00	27	23
INPUT/OUTPUT UNITS AND FEATURES					
4520	Second Diskette Drive for 8101 Storage and Input/Output Unit; 1 megabyte	3,020	28.50	100	85
4521	Magnetic Tape Attachment for 8101 Storage and Input/Output Unit	1,890	9.00	62	53
1507	Diskette Drive and Magnetic Tape Attachment for Model A10; required for attachment of one 4520 diskette drive and one 4521 magnetic tape attachment to 8101 Storage and Input/Output Unit, Model A10	940	4.00	27	23
8010	Card Control Feature	875	1.50	29	25
8050	Card Reader Attachment for 3501 card reader	440	0.50	13	11
8149	Card Reader Attachment for 3782/2502	640	4.00	19	16
8150	Card Punch Attachment for 3782/3521	640	3.50	19	16
3287-11	Line Printer; 80 cps	6,165	54.00	217	185
3287-12	Line Printer; 120 cps	6,560	65.50	257	219
4110	Friction Feed Paper Handling	168	0.50	6	5
8700	Variable Width Forms Tractor	168	0.50	6	5
3289-1	Line Printer; 155 lpm	9,345	110.00	411	350
3289-2	Line Printer; 400 lpm	13,910	187.00	623	530
3289-3	Line Printer; 500 lpm	13,910	187.00	623	530
1090	Audible Alarm for 3289-1 or 3289-2 line printer	183	—	6	5
1130	Text Print Feature for 3289-1 or 3289-2 line printer	220	—	7	6
8809	Magnetic Tape Units:				
	1A First drive that attaches to 8101 Storage and I/O Unit	10,960	50.00	364	310
	1B First drive that attaches directly to 8130/40 processor	13,410	66.00	445	379
	2 Second or fourth drive that attaches to 1A/1B or 3, respectively	9,730	45.00	324	276
	3 Third drive that attaches to Model 2	10,960	50.00	364	310
4920	8100 System Multi-Drive Feature; required for 8809, Model 1B, if Model 2 or 3 is attached	378	1.00	12	10
8775-1	Display Terminal; up to 2560 characters in 9 × 16 matrix	2,975	19.50	79	67
8775-2	Display Terminal; up to 2560 characters in 9 × 16 matrix or 3440 characters in 9 × 12 matrix	3,350	19.50	88	75
1090	Audible Alarm	94	NC	2	2
3622	Feature Storage	756	3.00	20	17
3624	Enhanced Function; requires 3622 feature storage and 3905 feature adapter	NC	NC	NC	NC
3905	Feature Adapter; requires 3622 feature storage and 3624 enhanced function	425	1.50	11	9
4621	75-Key Typewriter Keyboard	519	2.50	13	11
4622	75-Key Data Entry Keyboard	519	3.50	13	11
4623	75-Key Data Entry Keyboard with keypunch layout	519	3.50	13	11
4626	87-Key Typewriter; APL	708	3.00	19	16
4627	87-Key Typewriter	708	3.00	19	16
4850	Loop Adapter	330	1.50	8	7
4999	Magnetic Reader Control	425	2.00	11	9
6350	Selector Light Pen	614	0.50	15	13
3640 PLANT COMMUNICATION DEVICES					
3641-1	Reporting Terminal	3,100	13.50	—	101**
3641-2	Reporting Terminal	3,705	15.00	—	119**
3642-1	Encoder Printer	6,060	31.50	—	214**
3642-2	Encoder Printer	7,165	38.00	—	253**
3643-2	Keyboard Display	2,575	27.00	—	110**
3643-3	keyboard Display	3,570	33.50	—	148**
3643-4	Keyboard Display	3,765	35.50	—	154**
3644	Automatic Data Unit	5,500	34.00	—	194**
4905	Manual I/O	1,550	6.50	—	50**

* Includes maintenance.
**5-year lease.

IBM 8100 Information System

EQUIPMENT PRICES

	Purchase Price	Monthly Maint.	Monthly Rental*	2-Year Lease*
3640 PLANT COMMUNICATION DEVICES (Continued)				
3645 Receive-Only Printer	4,935	44.00	—	214**
3646 Scanner Control Unit	2,680	11.00	—	86**
6351 Magnetic Reader Attachment	661	2.50	—	20**
3631 Plant Communication Controller:				
1A 250K-byte diskette	27,610	224.00	1,114	948
1B 500K-byte diskette	29,710	247.00	1,110	1,010
3632 Plant Communication Controller:				
1A 5-megabyte disk	46,830	273.00	1,716	1,460
1B 9.2-megabyte disk	49,980	281.00	1,815	1,545
1006 Additional Storage Feature	1,225	10.00	63	54
3211 Data Link Adapter	1,260	10.50	38	32
3701 EIA/CCITT Host	445	4.00	12	10
3703 EIA/CCITT Data Link	445	4.00	12	10
4780 Loop Adapter	987	17.50	33	28
4502 SDLC Communications Feature without clocking; to 9600 bps	1,200	10.50	36	32
6301 Host Communications Feature with clocking	745	3.00	20	17
6302 Host Communications Feature without clocking	500	2.50	12	10
1010/11 Additional Disk Heads for 3632 Plant Communication Controller	1,130	17.00	34	29
COMMUNICATIONS				
4850 Loop Adapter	945	3.50	25	21
3842 Loop Control Unit	5,725	42.50	—	215**
1051 Alternate Voice	455	2	—	15**
5101 Multipoint Tributary	424	4	—	17**
6101 Point-to-Point	212	2	—	9**
7951 Switched Network Back-Up Manual Answer	500	7	—	24**
1550 CCITT V.35 Interface; up to 9600 bps	535	2.00	15	13
1601 SDLC Communications Adapter with Clock	945	8.00	43	37
1602 SDLC Communications Adapter without Clock	882	7.50	36	31
1603 BSC/SS Communications Adapter with Clock	703	3.00	20	17
1604 BSC Communications Adapter without Clock	472	2.50	12	10
3701 EIA RS-232C Interface	420	4.00	12	10
4545 Expanded Function Operator Panel (8140 processor only)	2,520	32.00	87	74
4830 Loop Adapter	635	4.00	21	18
4835 Loop Adapter, Second Lobe	635	4.00	21	18
5200 Multi-Speed Clock	441	1.50	13	11
5501 Switched Integrated Modem	882	6.50	26	22
5660 Digital Data Service Adapter (DDSA)	882	2.00	25	21

* Includes maintenance.
**5-year lease.

SOFTWARE PRICES

		Monthly License Fee
5761-DS1	Distributed Processing Control Executive (DPCX)	$236
	Distributed Processing Programming Executive (DPPX):	
5760-010	DPPX/Base	165
5760-AS1	DPPX/ASSM	44
5760-CB1	DPPX/COBOL Compiler	88
5760-LB1	DPPX/COBOL Run-Time Library	16
5760-FO1	DPPX/FORTRAN Compiler	66
5760-LM1	DPPX/FORTRAN Library	33
5760-XR1/01	DPPX/DPS Interactive Map Definition	65
5760-XR1/02	DPPX/DPS Format Management	27
5760-TD1	DPPX/DTMS (Data Base and Transaction Management System)	99
5760-RC1	DPPX/DSC (Data Stream Compatibility)	16
5760-XC1	DPPX/RJE	22
5760-SM1	DPPX/Sort/Merge	22
5760-XC2	DMS/DPPX	93
5760-ED1	DPPX/GEN3644	16
5748-XXG	Distributed Systems Executive (DSX)	192
5735-XR1	Host Command Facility for 8100/DPCX systems	93
5760-XR5/01	DPPX/PT Monitor	38
5760-XR5/02	DPPX/PT Reporter Feature	44

IBM 8100 Information System

New Product Announcement

IBM has neither neglected system hardware, peripherals, or software when it comes to the 8100 Information System. New processor submodels, new color displays and printers, new remote loop control unit, and enhanced software have all been announced during the past few months.

SYSTEM HARDWARE: The 8100 Information System almost doubled in the number of submodels with the November 30, 1979 announcement from DPD. New are 14 models of the 8140 Information System; three versions of the 8101 Storage and I/O Unit; and increased memory capacity for the 8130 processor. The enhancements are expected to take better advantage of the stand-alone and network processing capabilities of the 8100 Information System.

The new B models of the 8140 processor use 16K-bit memory chips (the A models use 64K-bit chips). They support from one-half to one meagabyte of memory and either 58 or 123 megabytes of disk storage. This is twice the memory capacity of the earlier 8140 models, and almost double the disk capacity. The new A models provide increased processor storage of up to one megabyte. All A models will be in limited new production.

The 8140 A models cannot be field upgraded to the B models. Similarly, the older 8101 I/O storage models cannot be upgraded to the newer versions. Field upgrades of memory in the 8140 A models will begin during March 1981. First deliveries of the new 8101 I/O units are scheduled for the third quarter of 1980, while deliveries of the 8140 B models will begin in December 1980.

None of the new 8140 B systems include floating point hardware (available as an option) but all contain 131K bytes of fixed-head storage and an integrated 8101 storage and I/O unit. Thus, a new 8140 could be upgraded from 58 to 123 megabytes of storage within the basic CPU chassis, but additional expansion would require another 8101.

New 8100 Processor Models

Model	Submodel	Main Memory (bytes)	Fixed Disk (megabytes)	Fixed Head Disk Capacity (bytes)
8140	A61	768,432	29,327,360	None
	A62	768,432	23,461,888	131,072
	A63	768,432	64,520,192	None
	A64	768,432	58,654,720	131,072
	A71	1,048,576	29,327,360	None
	A72	1,048,576	23,461,888	131,072
	A73	1,048,576	64,520,192	None
	A74	1,048,576	58,654,720	131,072
	B51	524,288	58,654,720	131,072
	B51	524,288	123,174,912	131,072
	B61	768,432	58,654,720	131,072
	B62	768,432	123,174,912	131,072
	B71	1,048,576	58,654,720	131,072
	B72	1,048,576	123,174,912	131,072

Maximum System Configurations

	All 8130	8140 A3X	8140 A4X	8140 A5X, A6X, A7X	8140 B5X, B6X, B7X
8101*	2	4	4	4	4
Display/Printer Attachment	1	1	1	1	1
Additional Displays/Printers	5	5	5	5	5
Communications Attachment (4 additional ports each)	2	4	4	4	4
Total communications ports	14	19	18	16	19
SDLC, BSC/SS Loop**					
At 38.4K bps	1	1	1	1	1
Second lobe	5	6	6	4	5
Diskette drive***	1	1	1	1	1
Tape attachment	1	1	1	1	1

*Only one 8101 may have communication and display printer features with the B Models of the 8140 while the A Models allow two 8101s to have these features.
**Only ten SDLC ports can be active at one time.
***One additional diskette drive is available on an 8101.

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New Product Announcement

The new 8140's use the 8101 Model A20 for I/O capability. Models A23 and A25 combine disk storage with I/O capability. The A23 provides 64 megabytes of disk storage and the A25, 128 megabytes. These capacities are approximately twice those of the earlier single-spindle 8101 units.

A maximum of two of the Model A20, A23, or A25 8101's may be configured with 8130 processors, and up to four may be added to an 8140 CPU for a maximum of up to 14 communication ports on the 8130 processors, from 16 to 19 on the older 8140 A's, and up to 19 on the new 8140 B's. Four ports are required for the attachment of a display and print unit, a magnetic tape unit, or floating point processor.

PERIPHERALS: The 8100 Information System will, during 1980, be enhanced to support new displays, printers, and a remote control unit both under DPPX and DPCX. These new peripherals provide new display and print functions of extended highlighting, extended color, and programmed symbols. The new units include the 3274 Control Unit Model 51C, the 1920-character 3279 Model 2A Four Color Display, the 2560-character 3279 Model 3A Four Color Display, the 1920-character 3279 Model 2B Seven Color Display, the 2560-character 3279 Model 3B Seven Color Display, 3101 Display Terminal, 3102 Printer, 3262 Printers, 3287 Color Printers 1C and 2C, 3843 Loop Control Unit, and enhancements to all models of the 8775 Display Terminal and 3278 Display Station.

The 3274 Control Unit Model 51C attaches to the 8100 via a SDLC communications link, direct attached loop, or data link attached loop. The 3274 provides for attachment of up to eight terminals, including monochrome, four or seven color displays, black or color serial matrix printers and line printers.

The 3279 displays can use existing 3270 data streams or the new 3270 extended data stream. Models 2B and 3B provide extended highlighting of reverse video, underscore, and blink; operate in extended color mode with fields or characters displayed in red, blue, green, white, yellow, turquoise, or pink; and optionally support up to six sets of programmed symbols.

The 3101 is a low cost display terminal connected to the 8100 via nonswitched, point to point start/stop facilities. Up to six 3101s can be attached to an 8140 while up to three can be attached to an 8130. The 3101 provides a 1920-character screen consisting of 24 lines of 80 characters each and uses the 128 ASCII character set. The 3102 Printer attaches to the 3101 and operates at up to 40 cps. This is a friction feed thermal printer providing 80-character lines and 95 printable ASCII characters.

The 3262 Band Printers are medium speed units which operate at skip speeds up to 20 inches per second; provide vertical spacing of 3, 4, 5, or 8 lines per inch; and support 132 print positions, forms width from 3.5 to 16 inches, and up to six part forms. Rated speeds in lpm are as follows:

Character Set	Nominal Rated Model 2	Speed Model 12
48	650	325
64	467	230
96	364	180

The 3287 Printers Models 1C and 2C print up to 80 cps and 120 cps respectively in combinations of red, green and blue in addition to black. A multi-color ribbon cartridge is employed. The 3287 Printers are bidirectional serial matrix units employing a 7 by 8 dot matrix, 10 characters per inch, 6 or 8 lines per inch, 132 characters per line, 8 to 14.88 inch wide paper, and up to 6 part forms.

The 3843 Loop Control Unit provides data link attached loop capability at 2400, 4800, or 9600 bps. The 3843 incorporates a RS-232C interface for use with external synchronous modems on a non-switched telecommunications link.

The 3278 Display Station, when attached to the 8100 via the 3274-51C, is provided with programmed symbols and extended highlighting. The 8775 Display Terminals are enhanced with two programmed symbol features providing storage and access of up to six sets of customer-defined symbols.

IBM 8100 Information System

New Product Announcement

SOFTWARE: DPPX/Base, DPPX/DSC, DPPX/DPS, and DPDS have been enhanced to reflect the new processor capabilities and new peripherals that may be configured. Additionally, DPPX/Base now supports improved host communication facilities including support of high speed (up to 56K bps) point-to-point or multipoint SDLC data links to host systems from 8140 processors and between 8140 processors (only one data link or loop per 8140 is permitted to operate at over 9600 bps) and support of multiple data links to host system(s). Also provided for DPPX/Base is extended device independent terminal support for devices with Western Union Teletypewriter Exchange Services M33/35-compatible interfaces and extended peer communication and processing facilities.

EQUIPMENT PRICES

			Purchase Price	Monthly Maint.	Monthly Rental*	2-Year Lease*
PROCESSORS						
8140	A61	Processor with 768K bytes of memory and 29 megabytes of nonremoveable disk	$57,860	$180.00	$1,968	$1,570
	A62	Processor with 768K bytes of memory, 23 megabytes of nonremoveable disk, and 131K bytes of fixed	58,610	189.00	1,992	1,695
	A63	Processor with 768K bytes of memory and 64 megabytes of nonremoveable disk	59,360	189.00	2,015	1,715
	A64	Processor with 768K bytes of memory, 58 megabytes of nonremoveable disk, and 131K bytes of fixed head disk	60,110	197.00	2,039	1,735
	A71	Processor with 1024K bytes of memory, and 29 megabytes of nonremoveable disk	63,900	191.00	2,174	1,850
	A72	Processor with 1024K bytes of memory, 23 megabytes of nonremoveable fixed disk, and 131K bytes of fixed head disk.	64,650	199.00	2,197	1,870
	A73	Processor with 1024K bytes of memory, and 64 megabytes of nonremoveable fixed disk	65,400	199.00	2,221	1,890
	A74	Processor with 1024K bytes of memory, 58 megabytes of nonremoveable fixed disk, and 131K bytes of fixed head disk	66,150	207.00	2,244	1,910
	B51	Processor with 512K bytes of memory and 58 megabytes of nonremoveable fixed disk, and 131K bytes of fixed head disk	54,190	217.00	1,857	1,580
	B52	Processor with 512K bytes of memory and 123 megabytes of nonremoveable fixed disk, and 131K bytes of fixed head disk	64,580	265.00	2,197	1,870
	B61	Processor with 768K bytes of memory and 58 megabytes of nonremoveable fixed disk, and 131K bytes of fixed head disk	60,220	227.00	2,056	1,750
	B62	Processor with 768K bytes of memory, and 123 megabytes of nonremoveable fixed disk, and 131K bytes of fixed head disk	70,610	276.00	2,397	2,040
	B71	Processor with 1024K bytes of memory, 58 megabytes of nonremoveable fixed disk, and 131K bytes of fixed head disk	66,250	238.00	2,256	1,920
	B72	Processor with 1024K bytes of memory, 123 megabytes of nonremoveable fixed disk, and 131K bytes of fixed head disk	76,640	286.00	2,597	2,210
OPTIONS AND FEATURES 8140 B MODELS						
1701		Communications Adapter	420	0.50	13	11
3220		Display and Printer Attachment	2,835	17.00	94	80
3750		Floating Point Feature	4,280	24.50	143	122
3901		Feature Expansion Prerequisite; required for 1701	525	4.00	14	12
4901		Magnetic Tape Attachment	2,310	11.00	76	65
PERIPHERALS						
3274	51C	Control Unit	6,450	57.50	188	160
3279	2A	Four Color, 1920-character Display	3,805	24.00	110	94
3279	2B	Seven Color, 1920-character Display	4,210	26.50	121	103
3279	3A	Four Color, 2560-character Display	4,175	25.00	121	103

*Includes maintenance.
**One time charge.

IBM 8100 Information System

New Product Announcement

EQUIPMENT PRICES

			Purchase Price	Monthly Maint.	Monthly Rental*	2-Year Lease*
PERIPHERALS (Continued)						
3279	3B	Seven Color, 2560-character Display	4,580	27.50	132	112
	1720	Switch Control Unit	180	—	5	4
	4621	75-Key EBCDIC Typewriter Keyboard	495	2.50	13	11
	4622	75-Key EBCDIC Data Entry Keyboard	495	3.50	13	11
	4623	75-Key EBCDIC keypunch keyboard	495	3.50	13	11
	4624	75-Key ASCII Typewriter Keyboard	495	2.50	13	11
	4626	87-key EBCDIC Typewriter/APL keyboard	675	3.50	18	15
	4627	87-key EBCDIC Typewriter keyboard	675	3.00	18	15
	4628	87-key ASCII typewriter keyboard	675	3.00	18	15
	4629	87-key EBCDIC Typewriter/Text keyboard	675	3.50	18	15
	4640	87-key EBCDIC Typewriter Overlay Keyboard	675	3.50	18	15
	4651	87-key EBCDIC Attribute Select Typewriter keyboard	675	3.50	18	15
	4652	87-key EBCDIC Attribute Select Typewriter/APL keyboard	675	3.50	18	15
	4690	Keyboard Numeric Lock	NC	NC	NC	NC
	4999	Magnetic Reader Control	405	4.50	11	9
	5781	Programmed Symbols DS-2	540	1.50	14	12
	5782	Programmed Symbols PS-4	900	4.00	24	20
	6340	Security keylock	35	NC	35**	—
	6350	Selector Light Pen for Models 3A or 3B	585	0.50	15	13
	6350	Selector Light Pen for Models 2A or 2B	585	0.50	15	13
3101	100	Model 10 Display Terminal; character transmission; RS-232C interface	1,295	70.00	—	—
3101	110	Model 10 Display Terminal with modem cable; character transmission; RS-232C interface	1,360	70.00	—	—
3101	120	Model 12 Display Terminal; character transmission; RS-232C/20 ma current loop interface	1,320	70.00	—	—
3101	130	Model 13 Display Terminals; character transmission; RS-232C/RS-422A interface	1,320	70.00	—	—
3101	200	Model 20 Display Terminal; switch selectable character and block transmission; RS-232C interface	1,495	80.00	—	—
3101	210	Model 20 Display Terminal with modem cable; switch selectable character and block transmission; RS-232C interface	1,560	80.00	—	—
3101	220	Model 22 Display Terminal; switch selectable character and block transmission; RS-232C/20 ma current loop interface	1,520	80.00	—	—
3101	230	Model 23 Display Terminal; switch selectable character and block transmission; RS-232C/RS-422A interface	1,520	80.00	—	—
3102	010	Thermal Printer; for attachment to 3101	1,295	130.00	—	—
3287	C01	Model 1C Color Printer; 80 cps	6,430	55.50	230	196
3287	C02	Model 2C Color Printer; 120 cps	6,825	67.00	271	231
	1120	APL Text Capability for 3287	183	0.50	6	5
	3610	Extended Character Set Adapter	477	4.00	15	13
	3880	Extended Print Buffer	220	0.50	7	6
	4110	Friction Feed Paper Handling Feature	168	0.50	6	5
	5781	Programmed Symbols PS-2	918	5.50	31	26
	5782	Programmed Symbols PS-4	735	3.50	25	21
	5783	Programmed Symbols PS-4A	1,650	15.00	56	48
	8700	Variable width forms tractor	168	0.50	6	5
3262	002	Model 2 Band Printer; 650 lpm with 48 character set	14,700	157.00	439	374
3262	012	Model 12 Band Printer; 325 lpm with 48 character set	10,500	115.00	307	262
3843	001	Model 1 Loop Control Unit	4,680	26.50	153	130□

Includes maintenance.
**One time charge.*