IBM 4300 Series

► Set Services, a dump/restore program product that supports the 3375. (OS/VS1 does not support the 3380 DASD.)

Additional software facilities for *OS/VS2 (MVS)* include: Data Facility/Device Support, which provides an indexed VTOC for improved system performance; Data Facility/ Extended Functions, a functional replacement for VSAM master catalogs, VSAM user catalogs, and OS control volumes; Data Facility/Data Set Services, a dump/restore program that supports the 3375 and 3380 direct-access storage devices; the Direct Access Storage Device Migration Aid, which facilitates the migration of MVS data and programs to the 3375 and 3380; and the Hierarchical Storage Manager, which manages 3330/3350/3375/3380 DASD devices, 3420 tape drives, and the 3850 Mass Storage System.

PRICING

POLICY: IBM offers the 4300 Series on a purchase, lease, or rental basis. The standard IBM lease or rental contract includes equipment maintenance and entitles the customer to unlimited usage each month.

Prime-shift maintenance is included in the rental or lease price. The purchase option accrual equals 60 percent of the monthly charge up to 50 percent of the purchase price.

The current Agreement for Lease or Rental of IBM Machines provides users with a single contract on which they can specify 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 basic lease term is two years, followed by one-year extension terms.

MAINTENANCE: For purchased, leased, or rented systems, the IBM 4300 Series is under maintenance group D. The minimum period of maintenance service is 9 consecutive hours between 7:00 a.m. and 6:00 p.m. Monday through Friday. Charges for maintenance coverage outside this period are based upon the following percentages of the minimum monthly maintenance charge (MMC) added to the MMC:

	Consecutive hours				
	9*	12	16	20	24
Monday-Friday (until 8:00 a.m. Saturday)	10	12	14	16	18
Saturday (until 8:00 a.m. Sunday)	4	5	7	8	9
Sunday (until 8:00 a.m. Monday)	5	7	9	11	12

*Outside of the hours 7:00 to 6:00 p.m.

For users without a maintenance contract, the 4300 Series is maintained under per-call class 3. Under this class, the per call charge during regular hours is $126 per hour, and during off hours the charge is $145 per hour.

SOFTWARE: IBM 4300 Series users receive the basic DOS/ VSE, OS/VS1 Release 7, VM/370 Release 6, or OS/VS2 (MVS) system control programs at no additional cost. All other IBM software, including the DOS/VSE Advanced Functions and other licensed program products, is priced separately. In addition, basic monthly charges have been established for maintenance of the IBM system control programs and other licensed program products. The

minimum term of agreement is one year. A customer with multiple systems has a choice in the selection of local programming support. Should the user have IBM perform local program support at all computer sites, he pays the Basic Monthly License fee for all locations. If the user decides, however, to control the installation and support of designated license programs from a central site, he pays the Basic License Fee at the central site and a Distributed Systems License Option (DSLO) monthly fee for all other locations. The DSLO rates are lower than the basic monthly support charges. Support charges for the systems software products described in this report are listed at the end of the equipment price list.

An alternative to contracted software maintenance is per-call service, charged at the applicable hourly rate. Program service/programming assistance costs $135 per hour during regular hours and $155 per hour at other times. The initial and prime interface for software problems and their solution is the IBM Support Center, described below.

SUPPORT CENTER: The centralized IBM Support Center provides 24-hour, 7-day customer access by telephone (an 800 number is provided). It utilizes the Software Support Facility data base, which incorporates every problem encountered and resolved (or unresolved) by the central support group. The customer is assisted in making out any APAR (program problem report), and he gets advice on temporary fixes or bypasses.

The Support Center is the first level of support. If it cannot resolve a problem, the customer is put in touch with the Change Team Support Specialist, who is directly familiar with the section of coding relating to the problem being reported. If, after working with this individual, the problem still cannot be resolved, the PSR (Program Support Representative) from the customer's local office will be dispatched to assist. Under the new support plan, many of the facilities that were previously provided by IBM support personnel at no charge have become billable activities.

EQUIPMENT: The indicated prices for the following typical configurations include all the required control units and adapters, but do not include software.

TYPICAL 4331 GROUP 1 SYSTEM: Includes a 4331 Model J1 Processor with one megabyte of main memory and one I/O channel, a 3278-2A Operator Console with Keyboard, a 3310 DASD Model A2 (129 megabytes), two 8809 Magnetic Tape Units, a 2520 Card Read Punch, a 650 lpm 3262 Model 1 Printer, and integrated tape and disk adapters. Purchase price is $206,070 and the monthly charge on a two-year lease is $6,482.

TYPICAL 4331 GROUP 2 SYSTEM: Includes a 4331 Model K2 Processor with 2 megabytes of main memory and one I/O channel, a 3278-2A Operator Console with Keyboard, a 3310 DASD Model A2 with attached Model B2 (258 megabytes), four 8809 Magnetic Tape Units, a 2520 Card Read Punch, two 650 lpm 3262 Model 1 Printers, and integrated tape and disk adapters. Purchase price is $323,095 and the monthly charge on a two-year lease is $11,120.

TYPICAL 4341 GROUP 1 SYSTEM: Includes a 4341 Model L1 Processor with 4 megabytes of main memory and 3 I/O channels, a 3278-2A Operator Console with Keyboard, 3287 Model 1 Console Printer, two 3370 DASD's (1140 megabytes), a 3880 Storage Control, six 3420 Model 3 Magnetic Tape Units (120KBS), a 3803 Model 1 Tape Control, a 2520 Card Read Punch, and a 1200 lpm 3203 Model 5 Printer. Purchase price is $628,510 and the monthly charges on a two-year lease is $19,885. ►

IBM 4300 Series

▶ **TYPICAL 4341 GROUP 2 SYSTEM:** Includes a 4341 Model M2 Processor with 8 megabytes of main memory and 6 I/O channels, a 3278-2A Operator Console with Keyboard, 3287 Model 2 Control Printer, a 3380 DASD Model A4 (2.5 billion bytes), a 3880 Model 2 Storage Control, eight 3420 Model 3 Magnetic Tape Units (120KBS), a 3803 Model 1 Tape Control, a 2520 Card Read Punch, and a 1200 lpm 3203 Model 5 Printer. Purchase price is $883,135 and the monthly charge on a two-year lease is $26,718.

EQUIPMENT PRICES

		Purchase Price	Monthly Maint.	Monthly Rental Charge*	Monthly Lease Charge (2-Year Lease)*
PROCESSORS					
4331 I1	Processor with 524,288 bytes of main memory	$ 71,650	$ 207.00	$ 2,379	$ 2,025
4331 J1	Processor with 1,048,576 bytes of main memory	79,500	220.00	2,637	2,245
4331 J2	Processor with 1,048,576 bytes of main memory	125,000	303.00	5,381	4,580
4331 K2	Processor with 2,097,152 bytes of main memory	140,700	329.00	5,897	5,020
4331 KJ2	Processor with 3,145,728 bytes of main memory	156,400	355.00	6,413	5,460
4331 L2	Processor with 4,194,304 bytes of main memory	172,100	381.00	6,929	5,900
4341 K1	Processor with 2,097,152 bytes of main memory	225,000	601.00	9,012	7,670
4341 L1	Processor with 4,194,304 bytes of main memory	256,400	653.00	10,044	8,550
4341 K2	Processor with 2,097,152 bytes of main memory	359,000	879.00	13,571	11,550
4341 L2	Processor with 4,194,304 bytes of main memory	390,400	931.00	14,603	12,430
4341 M2	Processor with 8,388,608 bytes of main memory	453,200	1,035.00	16,667	14,190

PROCESSOR FEATURES & CHANNELS

Many of the features listed below include microcode as well as hardware. Microcode is supplied on diskettes.

Features for the 4331:

1001	Adapter Power Prerequisite for Communications Adapter	2,140	9.00	83	71
1002	Adapter Logic Prerequisite for 5424 Adapter	3,930	16.50	153	130
1421	Block Multiplexer Channel	3,930	2.50	153	130
1422	Block Multiplexer Channel, Additional (Model Group 2 only)	3,930	2.50	146	124
1431	High-Speed Block Multiplexer Channel (Model Group 2 only)	5,610	3.00	237	202
1901	Control Store Expansion; 65,536 bytes (Model Group 1 only)	4,555	47.50	177	151
2001	Display/Printer Adapter Expansion	1,085	2.50	36	31
3201	DASD Adapter; for 3310/3340/3370	3,215	4.50	126	107
3202	DASD Adapter, Additional (Model Group 2 only)	3,215	4.50	120	102
3401	Diskette Drive; reads IBM Type 1 Diskettes	3,140	25.50	122	104
3898	External Signals; for external interrupt	268	1.50	11	9
3901	5424 Adapter	5,890	11.50	230	196
3950	1401/1440/1460 Compatibility	NC	NC	NC	NC
4910	8809 Mag Tape Unit Adapter	3,215	4.50	126	107
5248	Byte Multiplexer Channel	3,140	2.50	122	104
5531	Power Interface	1,965	2.00	75	64
5532	Power Interface, Additional	982	2.00	38	32
7851	3340/3344 Direct Attachment	NC	NC	NC	NC
7901	Direct-Access Storage Compatibility; provides 2311/2314 emulation on 3310 or 3370 DASDs and 3330 emulation on 3370 DASDs	NC	NC	NC	NC
8701	ECPS: VM/370	NC	NC	NC	NC

Features for the 4341:

1601	ECPS Expansion Feature (for 4341 Model Group 2 Processors only)	26,250	22.00	907	722
1805	Channel-to-channel adapter	23,150	29.00	790	672
1870	Optional channel group; three additional channels (for 4341 Group 1 Processors only)	17,790	6.00	607	517
1890	Channel control unit positions, additional	2,755	10.00	94	80
3838	Array Processor:				
	Model 1; 256K bytes of bulk storage	553,600	1,810	23,188	21,080**
	Model 2; 512K bytes of bulk storage	613,150	2,180	28,182	25,620**
	Model 3; 1024K bytes of bulk storage	732,250	2,925	38,170	34,700**

System Consoles:

3278 2A	Display Console	2,505	24.50	110	94
3279 2C	Color Display Console	4,525	39.50	183	156
4631	75-Key Operator Console Keyboard with channel-to-channel interface and operator control panel (for 4341)	1,085	7.00	45	38
4632	Same as 4631 without channel-to-channel interface (for 4341)	1,010	7.00	43	37
4633	Same as 4631 without operator control panel (for 4341)	524	6.50	20	17
4634	Same as 4631 without channel-to-channel interface (for 4331)	1,010	7.00	43	37
6340	Security Keylock	35	—	—	—▶

*Rental/lease prices include equipment maintenance.
**Monthly charge on a 4-year lease.
NC—No Charge.

IBM 4300 Series

EQUIPMENT PRICES

		Purchase Price	Monthly Maint.	Monthly Rental Charge*	Monthly Lease Charge (2-Year Lease)*
► MASS STORAGE					
2305	Fixed-Head Storage, Model 2; 11.2MB (4341 only)	73,150	331.00	6,060	5,090
2835	Storage Control, Model 2; for 2305	46,770	177.00	3,740	3,142
3310	Disk Storage (4331 only):				
	Model A1; 1 drive with controller; 64.5MB	10,710	80.50	507	432
	Model A2; 2 drives with controller; 64.5MB each	17,800	135.00	840	716
	Model B1; 1 drive; 64.5MB (for attachment to Model A2)	8,475	61.00	400	341
	Model B2; 2 drives; 64.5MB each (for attachment to Model A2)	15,565	117.00	733	625
3330	Disk Storage (for 4331-2 or 4341):				
	Model 1; 2 drives; 200MB	33,670	178.00	2,000	1,680
	Model 2; 1 drive; 100MB	20,110	105.00	1,193	1,015
	Model 11; 2 drives; 400MB	47,920	178.00	2,860	2,402
3333	Disk Storage and Control (up to three 3330 modules can be attached):				
	Model 1; 2 drives; 200MB	42,200	199.00	2,497	2,125
	Model 11; 2 drives; 400MB	56,450	199.00	3,355	2,855
3336	Disk Pack, Model 1	775	—	—	—
3336	Disk Pack, Model 11	1,150	—	—	—
3340	Direct Access Storage Facility; 34.9 or 69.8MB per drive:				
	Model A2; Two drives plus control	24,570	116.00	1,516	1,290
	Model B1; One drive	13,510	62.00	851	724
	Model B2; Two drives	17,200	100.00	1,073	913
	4301 Fixed-Head Feature (for 3340 A2 or B2)	1,165	2.50	63	54
	4302 Fixed-Head Feature (for 3340 B1)	583	2.00	33	28
	6201 Rotational Position Sensing (for 3340 B1)	467	1.50	26	22
	6202 Rotational Position Sensing (for 3340 or A2 or B2)	590	1.50	34	29
	6148 Remote Switch Attachment	NC	NC	NC	NC
	8150 String Switch for 3340 A2	4,915	15.00	302	257
3344	Direct Access Storage; 279.6MB per drive:				
	Model B2; Add-on Dual Disk Drive for 3340 Direct-Access Storage Facility	32,940	128.00	1,363	1,160
	Model B2F; Add-on Dual Disk Drive for 3340 Direct-Access Storage Facility with 2MB fixed-head storage	43,250	179.00	1,780	1,515
3348	Data Module (for 3340 drives):				
	Model 35; 34.9MB	1,600	Time & mat'l.	59	50
	Model 70; 69.8MB	2,200	Time & mat'l.	82	70
	Model 70F; 69.8MB of which 502,080 are served by fixed heads	4,400	Time & mat'l.	165	140
3350	Direct Access Storage; 317.5MB per drive (for 4331-2 or 4341):				
	Model A2; Dual Disk Drive	41,600	170.00	1,710	1,455
	Model A2F; Dual Disk Drive with 2MB fixed-head storage	51,910	221.00	2,127	1,810
	Model B2; Add-on Dual Disk Drive	32,940	128.00	1,363	1,160
	Model B2F; Add-on Dual Disk Drive with 2MB fixed-head storage per drive	43,250	179.00	1,780	1,515
	Model C2; Two-drive disk storage and associated control	43,030	179.00	1,780	1,515
	Model C2F; Two-drive disk storage and associated control	53,340	230.00	2,197	1,870
	1320 Primary Controller Adapter (permits selection of A2/AF controller as on-line controller via manual switch on the C2/C2F)	286	1.50	13	11
	8150 String Switch for 3350 A2, A2F, C2, C2F	4,790	9.00	210	179
3830	Storage Control, Model 2; for 3330/3333, 3340/3344, or 3350 disk drives	23,200	166.00	2,285	1,919
	2150 Control Store Extension	5,365	14.00	527	443
	2151 Expanded Control Store; requires 2150	3,285	14.00	322	270
	6111 Register Expansion	312	4.50	31	26
	6148 Remote Switch Attachment	NC	NC	NC	NC
	6149 Remote Switch Attachment, Additional	NC	NC	NC	NC
	8170 Two-Channel Switch	2,290	14.00	223	187
	8171 Two-Channel Switch, Additional	2,290	14.00	223	187
3370	Direct Access Storage; 571.3MB per drive:				
	Model A1; Single Disk Drive	44,350	126.00	1,463	1,245
	Model B1; Add-on Single Disk Drive for attachment to Model A1	29,550	94.50	976	831
	8150 String Switch for 3370 A1	4,505	1.50	143	122 ►

*Rental/lease prices include equipment maintenance.
NC—No Charge.

IBM 4300 Series

EQUIPMENT PRICES

		Purchase Price	Monthly Maint.	Monthly Rental Charge*	Monthly Lease Charge (2-Year Lease)*
▶MASS STORAGE (Continued)					
3375	Direct Access Storage; 819.7MB per drive (for 4331-2 or 4341):				
	Model A1; contains logic and power for up to three Model B1 units	50,720	130.00	1,463	1,245
	Model B1; connects to a 3375 Model A1	33,850	98.50	976	831
	Model D1; provides dual controller function in a 3375 string; requires one Model A1 and two Model B1s	48,390	120.00	1,392	1,185
	4951 Model D1 Attachment for Model A1	3,045	6.00	89	76
	4952 Model D1 Attachment for Model B1	NC	NC	NC	NC
	8150 String Switch Feature for 3375 A1	4,465	1.50	143	122
3380	Direct Access Storage; 2.52 billion bytes per unit (4341 only):				
	Model A4; connects to one 3880 storage director	101,550	285.00	2,750	2,340
	Model AA4; connects to one 3880 storage director	116,050	325.00	3,143	2,675
	Model B4; connects to a Model A unit	84,240	240.00	2,280	1,940
3880	Storage Control; includes two storage directors:				
	Model 1; each storage director can attach up to four 3330/3333, 3340 A2, 3350 A2/A2F, 3370 A1, or 3375 A1 or D1 in any combination	78,790	176.00	2,350	2,000
	Model 2; provides one storage director for 3330/3333, 3340/3344, 3350, 3370, or 3375 storage and one for 3380 storage	78,790	176.00	2,350	2,000
	Model 3; provides two storage directors for 3380 storage	78,790	176.00	2,350	2,000
	6148 Remote Switch Attachment	NC	NC	NC	NC
	6149 Remote Switch Attachment, additional	NC	NC	NC	NC
	6150 Remote Switch Attachment for Eight-Channel Switch	NC	NC	NC	NC
	6550 Speed Matching Buffer for 3380	11,420	40.00	341	290
	8170 Two-Channel Switch Pair	8,140	11.00	241	205
	8171 Two-Channel Switch Pair, additional	21,720	38.50	647	551
	8172 Eight-Channel Switch	29,870	53.50	894	761
MAGNETIC TAPE EQUIPMENT					
3410	Magnetic Tape Unit:				
	Model 1; 20,000 bytes/sec.	4,675	98.00	264	222
	Model 2; 40,000/20,000 bytes/sec.	6,250	108.00	351	295
	Model 3; 80,000/40,000 bytes/sec.	7,735	119.00	441	370
3411	Magnetic Tape Unit and Control:				
	Model 1; 20,000 bytes/sec.	10,300	150.00	587	493
	Model 2; 40,000/20,000 bytes/sec.	13,030	162.00	747	627
	Model 3; 80,000/40,000 bytes/sec.	15,890	171.00	907	762
	3211 Single Density Feature (for 3410 & 3411)	1,515	13.00	76	64
	3221 Dual Density Feature (for 3410 & 3411)	2,185	45.50	113	95
	7360 System/360/370 Attachment (required on 3411)	3,825	31.50	212	178
3420	Magnetic Tape Units:				
	Model 3; 120,000 bytes/sec. at 1600 bpi; 75 ips	14,910	179.00	526	442
	Model 4; 470,000 bytes/sec. at 6250 bpi; 75 ips	19,170	179.00	735	617
	Model 5; 200,000 bytes/sec. at 1600 bpi; 125 ips	19,990	196.00	708	595
	Model 6; 780,000 bytes/sec. at 6250 bpi; 125 ips	22,390	196.00	850	714
	Model 7; 320,000 bytes/sec. at 1600 bpi; 200 ips	22,400	235.00	839	705
	Model 8; 1,250 bytes/sec. at 6250 bpi; 200 ips	24,840	288.00	1,010	848
	6420 6250 bpi Density Feature (for 3420 Models 4, 6, and 8)	2,000	54.00	72	60
	6425 6250/1600 bpi Density Feature (for 3420 Models 4, 6, and 8)	2,755	71.50	105	88
	6631 Single Density Feature (for Models 3, 5, and 7)	3,585	53.50	123	103
	3550 Dual Density Feature (for Models 3, 5, and 7)	4,630	89.50	160	134
	6407 7-Track Feature (for Models 3, 5, and 7)	3,585	78.00	123	103
3803	Tape Controller:				
	Model 1; for 3420 Model 3, 5, and 7 drives	25,840	120.00	916	769
	Model 2; for 3420 Model 3 through 8 drives	34,430	165.00	1,330	1,117
	5310 9-Track NRZI Feature (permits connection of 800-bpi drives to 3803-2)	3,850	1.50	129	108
	6320 7-Track NRZI Feature (permits connection of 7-track drives to 3803-2; 5310 is prerequisite)	1,890	1.50	64	54
	Multiple Tape Control Switches (for switching up to sixteen 3420 tape drives between up to four 3803 control units):				
	1792 For 2 Tape Controls	7,660	12.00	267	224
	1793 For 3 Tape Controls	9,775	19.00	345	290
	1794 For 4 Tape Controls	11,490	19.00	404	339 ▶

*Rental/lease prices include equipment maintenance.
NC—No Charge.

FEBRUARY 1982

IBM 4300 Series

EQUIPMENT PRICES

		Purchase Price	Monthly Maint.	Monthly Rental Charge*	Monthly Lease Charge (2-Year Lease)*
▶ MAGNETIC TAPE EQUIPMENT (Continued)					
	3551 Dual Density Feature (for 3803-1)	2,870	3.00	98	82
	6148 Remote Switch Attachment	1,135	NC	39	33
	6408 7-Track Feature (for 3803-1)	2,870	3.00	98	82
	8100 Two-Channel Switch	5,745	6.00	199	167
8809	Magnetic Tape Unit (4331 only):				
	Model 1A; first drive; operates in start/stop mode at 20,000 bytes/sec. or in streaming mode at 160,000 bytes/sec.	11,960	76.50	470	400
	Model 2; second, fourth, or sixth drive; attaches to Model 1A or 3	10,610	69.00	418	356
	Model 3; third or fifth drive; attaches to Model 2	11,960	66.50	470	400
DISKETTE EQUIPMENT					
3540	Diskette Input/Output Unit:				
	Model B1; one drive; 242.9KB	27,520	74.50	1,023	871
	Model B2; two drives	41,910	103.00	1,533	1,305
PUNCHED CARD EQUIPMENT					
1442	Card Read Punch (with control), Model N1; 400/91 cpm	24,040	305.00	997	—
1442	Card Punch (with control), Model N2; 160 cpm	17,160	269.00	711	—
2501	Card Reader (with control):				
	Model B1; 600 cpm	19,610	152.00	505	—
	Model B2; 1000 cpm	19,920	166.00	622	—
2520	Card Read Punch (with control), Model B1; 500 cpm	53,460	629.00	1,770	—
2520	Card Punch (with control):				
	Model B2; 500 cpm	47,340	591.00	1,575	—
	Model B3; 300 cpm	46,950	472.00	1,215	—
2540	Card Read Punch; 1000/300 cpm (requires 2821 control unit)	44,420	411.00	1,375	—
2821	Control Unit:				
	Model 1; one 2540 and one 1403 printer	43,850	110.00	1,555	1,306
	Model 5; for one 2540 and two 1403's	71,050	192.00	2,530	2,125
	Model 6; for one 2540 only	14,920	240.00	713	599
	8100 Two-Channel Switch	9,895	18.00	319	268
	8637 Universal Character Set Adapter	718	6.00	19	16
3505	Card Reader:				
	Model B1; 800 cpm	36,030	267.00	1,100	—
	Model B2; 1200 cpm	37,270	364.00	1,300	—
	5450 Optical Mark Read	10,130	108.00	349	—
	6555 Selective Stacker	2,845	19.00	89	—
	8103 3525 Punch Adapter	6,370	8.00	192	—
	8105 3525 Read/Punch Adapter	7,010	10.00	240	—
	8100 3525 Card Print Control	3,810	10.00	106	—
3525	Card Punch:				
	Model P1; 100 cpm	25,520	173.00	778	—
	Model P2; 200 cpm	26,520	234.00	988	—
	Model P3; 300 cpm	27,520	292.00	1,185	—
	1533 Card Read Feature	7,645	43.50	230	—
	1421 Basic Card Print	16,750	172.00	503	—
	5273 Multi-Line Card Print	1,365	50.00	136	—
	8339 Two-Line Card Print	874	7.50	21	—
5424	Multi-Function Card Unit, 96 col. (4331 only):				
	Model A1; 60 cpm	8,950	289.00	565	—
	Model A2; 120 cpm	11,840	435.00	853	—
	6510 4331 Attachment	2,670	6.00	60	—▶

*Rental/lease prices include equipment maintenance.
NC—No Charge.

IBM 4300 Series

EQUIPMENT PRICES

► **PRINTERS**

		Purchase Price	Monthly Maint.	Monthly Rental Charge*	Monthly Lease Charge (2-Year Lease)*
1403	Printer:				
	Model 2; 600 lpm; 132 print positions	23,100	592.00	1,335	1,121
	Model 7; 600 lpm; 120 print positions	22,190	460.00	1,125	945
	Model N1; 1100 lpm; 132 print positions	40,040	687.00	1,555	1,306
	1416 Interchangeable Train Cartridge (required for 1403 N1)	2,930	Time & Mat'l.	144	—
	4740 Interchangeble Train Cartridge Adapter (for 1403-2 or -7)	2,030	NC	99	83
	8640 Universal Character Set Feature (for 1403 N1)	447	4.00	14	12
	8641 Universal Character Set Feature (for 1403-2)	313	4.00	14	12
2821	Control Unit:				
	Model 1; one 2540 card unit and one 1403 printer	43,850	110.00	1,555	1,306
	Model 2; for one 1403	27,190	83.00	976	820
	Model 3; for two 1403s	54,270	170.00	1,940	1,630
	Model 5; for one 2540 and two 1403s	71,050	192.00	2,530	2,125
	3615 1100 lpm Printer Adapter (for 2821; required for 1403 N1)	2,815	2.50	114	96
	7945 Third Printer Control (for 2821 Model 3 or 5)	22,560	14.50	813	683
	8100 Two-Channel Switch	9,895	18.00	319	268
	8637 Universal Character Set Adapter	718	6.00	19	16
1443	Printer (with control), Model N1; 240 lpm	47,460	326.00	1,285	1,079
3203	Printer, Model 5; 1200 lpm, 132 print positions	38,850	410.00	1,868	1,590
	1416 Interchangeable Train Cartridge (required)	2,930	Time & mat'l.	144	—
3211	Printer; 200 lpm, 132 print positions	40,080	936.00	2,420	2,033
	3216 Interchangeable Train Cartridge	11,600	213.00	493	—
	5554 18 Additional Print Positions	2,150	16.50	75	63
3811	Control Unit for 3211 Printer	17,685	135.00	1,065	895
	5553 18 Additional Print Positions	789	6.00	25	21
3262	Line Printer (4331 only):				
	Model 1; 650 lpm	17,690	180.00	566	482
	Model 11; 325 lpm	12,620	132.00	397	338
	5951 0.079-inch char. height	NC	NC	NC	NC
	5950 0.095-inch char. height	NC	NC	NC	NC
	5940 48-char. EBCDIC Set	186	—	—	—
	5944 64-char. EBCDIC Set	186	—	—	—
	5946 64-char. EBCDIC Set (optimized)	186	—	—	—
	5948 96-char. EBCDIC Set	186	—	—	—
3287	Serial Printer:				
	Model 1; 80 cps	5,365	41.50	239	203
	Model 2; 120 cps	5,720	51.50	291	248
	Model 1C; 4 colors; 80 cps	5,790	47.00	295	251
	Model 2C; 4 colors; 120 cps	6,145	57.00	347	295
	1120 APL/Text	183	0.50	6	5
	3610 Extended Character Set Adapter	477	3.50	19	16
	3880 Extended Print Buffer	220	0.50	7	6
	4110 Friction Feed Paper Handling	168	0.50	6	5
	8330 3271/3272 Attachment for Models 1 and 2	955	3.00	42	36
	8331 3274/3276 Attachment for Models 1 and 2	183	0.50	6	5
	8700 Variable-Width Forms Tractor	168	0.50	6	5
3289	Line Printer, Model 4; 230 to 400 lpm	13,140	205.00	805	685
	5821 48-char. EBCDIC print belt	160	—	—	—
	5822 64-char. EBCDIC print belt	160	—	—	—
	5823 94-char. EBCDIC print belt	160	—	—	—
3800	Printing Subsystem; up to 20,040 lpm	373,150	938.00	10,693	9,100
	5401 Additional Character Generation Storage	4,475	26.50	114	97
	8170 Two-Channel Switch	9,790	20.50	305	260
	1490 Burster-Trimmer-Stacker	56,280	250.00	1,598	1,360
	7810 Tape to Print Subsystem Feature	12,030	46.50	424	361 ►

*Rental/lease prices include equipment maintenance.
NC—No Charge.

IBM 4300 Series

EQUIPMENT PRICES

		Purchase Price	Monthly Maint.	Monthly Rental Charge*	Monthly Lease Charge (2-Year Lease)*
OPTICAL AND MAGNETIC READERS					
1255	Magnetic Character Reader:				
	Model 1; 500 dpm, 6 stackers	41,040	348.00	1,305	—
	Model 2; 750 dpm, 6 stackers	46,970	557.00	1,595	—
	Model 3; 750 dpm, 12 stackers	63,960	733.00	2,100	—
	3215 Dash Symbol Transmission (for 1255 or 1419)	35	NC	56 (1-time)	—
	4380 51-Column Card Sorting (for 1255 or 1419)	661	NC	17	—
	4520 High-Order Zero and Bank Selection (for 1255 Model 3 only)	1,515	6.50	46	—
	7060 Self-Checking Numbers (for 1255)	2,465	3.00	76	—
	6360 System/360/370 Adapter (required on 1255)	22,910	51.00	735	—
1287	Optical Reader:				
	Model 1; reads documents only	108,450	1,405.00	4,245	—
	Model 3; reads documents only	163,550	2,015.00	6,560	—
	Model 5; reads handprinted digits from documents only	120,650	2,040.00	5,335	—
	3945 Farrington 7B Font	968	2.00	37	—
	4470 1428 and ANSCS OCR Font	968	2.00	37	—
	5300 NCR Optical Type Font	3,885	7.50	149	—
	5370 Numeric Handwriting	31,140	87.50	1,205	—
	5479 Optical Mark Reading	3,885	7.50	149	—
1288	Optical Page Reader	198,600	1,700.00	7,475	—
	3850 Expanded Symbol Set	2,710	4.50	104	—
	5370 Numeric Handwriting	46,710	103.00	1,515	—
	5479 Optical Mark Reading	4,575	9.00	149	—
	6550 Serial Numbering (for 1288 or 1287)	11,100	83.50	452	—
1419	Magnetic Character Reader; 1600 dpm	145,950	802.00	3,580	—
	7061 Self-Checking Number, Modulus 10	2,560	4.50	61	—
	7062 Self-Checking Number, Modulus 11	3,950	7.50	100	—
3881	Optical Mark Reader:				
	Model 1; for on-line use	62,420	239.00	2,174	1,850
	Model 2; for off-line use with 3410 Model 1 Magnetic Tape Unit	56,860	190.00	1,974	1,680
	Model 3; on-line use with IBM Diskette Unit	72,800	227.00	2,397	2,040
	1471 BCD Read	2,600	3.00	85	72
	3450 Document Counters	1,030	3.50	27	23
	3550 Dual Density (for Model 2 only)	6,565	2.00	223	190
	3801 Expanded Storage	2,600	2.00	85	72
	6451 Serial Numbering	7,680	42.50	262	223
3886	Optical Character Reader:				
	Model 1; on-line	101,500	497.00	3,760	3,200
	Model 2; off-line	109,200	497.00	4,042	3,440
	3210 Additional Data Storage	1,020	0.50	35	30
	4520 Additional Hopper and Stacker Capacity	8,235	26.00	300	255
	4610 Additional Instruction Storage	5,120	11.00	187	159
	4720 Line Marking	5,680	11.00	203	173
	5340 Numbering/Marking Adapter	1,545	0.50	47	40
	5360 Numeric Handprinting	6,685	30.00	241	205
	6450 Serial Numbering	8,235	26.00	300	255
3890	Document Processor; Model A has 13K bytes, Model B has 29K bytes memory:				
	Model A1; 6 pockets	280,350	323.00	6,410	5,455
	Model Model A2; 12 pockets	327,300	388.00	7,432	6,325
	Model A3; 18 pockets	374,250	450.00	8,454	7,195
	Model A4; 24 pockets	421,200	514.00	9,471	8,060
	Model A5; 30 pockets	468,150	576.00	10,499	8,935
	Model A6; 36 pockets	515,100	640.00	11,515	9,800
	Model B1; 6 pockets	328,400	393.00	7,978	6,790
	Model B2; 12 pockets	375,350	458.00	8,995	7,655
	Model B3; 18 pockets	422,300	520.00	10,017	8,525
	Model B4; 24 pockets	469,250	585.00	11,039	9,395
	Model B5; 30 pockets	516,200	647.00	12,056	10,260
	Model B6; 36 pockets	563,150	709.00	13,078	11,130

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IBM 4300 Series

EQUIPMENT PRICES

		Purchase Price	Monthly Maint.	Monthly Rental Charge*	Monthly Lease Charge (2-Year Lease)*
➤ SYSTEM MANAGEMENT					
3814	Switching Management System (requires one Model A):				
	Model A1; Controller; 4x4 switch	57,200	124.00	1,981	1,585
	Model A2; Controller; 4x8 switch	72,800	161.00	2,518	2,015
	Model A3; Controller; 8x4 switch	78,000	158.00	2,706	2,165
	Model A4; Controller; two 4x4 switches	83,820	173.00	2,906	2,325
	Model B1; Remote Unit; 4x4 switch	47,840	84.00	1,656	1,325
	Model B2; Remote Unit; 4x8 switch	63,440	122.00	2,200	1,755
	Model B3; Remote Unit; 8x4 switch	68,640	118.00	2,381	1,905
	Model B4; Remote Unit; two 4x4 switches	74,460	133.00	2,581	2,065
	Model C1; Expansion Unit; 4x4 switch	45,760	81.00	1,581	1,265
	Model C2; Expansion Unit; 4x8 switch	61,360	119.00	2,125	1,695
	Model C3; Expansion Unit; 8x4 switch	66,560	115.00	2,306	1,845
	Model C4; Expansion Unit; two 4x4 switches	72,380	130.00	2,506	2,005
	3604 Keyboard/Display, Model 6, one required	1,745	12.50	—	83
	1520 Channel Expansion Internal—4 Control Unit Interfaces	1,870	1.00	65	52
	1521 Channel Expansion Internal—8 Control Unit Interfaces	3,740	1.00	128	103
	1530 Channel Expansion External	6,445	1.00	222	178
	1810 Control Unit Power Sequencing	624	1.00	21	17
	6010 Remote Two-Channel Switch Control—Basic	6,240	17.00	215	172
	6011 Remote Two-Channel Switch Control—Additional	2,910	13.00	101	81
	6350 System Power Sequencing—Additional	249	—	8	6

DISPLAY AND DATA ENTRY TERMINALS

A number of IBM terminals can be connected to a 4300 system in local or remote configurations. For details and prices please refer to Reports 70D1-491-45, 70D2-491-11, 70D3-491-46, and 70D4-491-43 in Volume 2 of DATAPRO 70.

COMMUNICATIONS EQUIPMENT

For the 4331 Processor:

		Purchase Price	Monthly Maint.	Monthly Rental Charge*	Monthly Lease Charge (2-Year Lease)*
	1020 Autocall Unit Interface	393	3.00	14	12
	1601 Communications Adapter, base	2,745	2.50	107	91
	3701 EIA/CCITT Interface	393	3.00	14	12
	4695 Line Attachment Base; for clocked modems	393	1.50	14	12
	4696 Line Attachment Base; for non-clocked modems	464	1.50	16	14
	4720 High-Speed Modem Adapter	1,180	3.00	39	33
	4781 1200-bps Integrated Modem; non-switched	596	4.50	21	18
	4782 1200-bps Integrated Modem; switched, with auto-answer	768	4.50	29	25
	4787 1200-bps Integrated Modem; non-switched, with switch network backup and manual answer	812	4.50	31	26
	4788 1200-bps Integrated Modem; non-switched, with switch network backup and auto-answer	905	5.00	34	29
	4801 Local Attachment Interface	982	4.00	34	29
	5650 Digital Data Service Adapter	750	3.50	28	24
	3863 2400-bps Modem:				
	Model 1; non-switched	2,685	14.00	96	82
	Model 2; switched	2,935	16.50	103	88
	3864 4800-bps Modem:				
	Model 1; non-switched	4,410	22.00	166	141
	Model 2; switched	4,660	23.00	176	150
	3865 9600-bps Modem; non-switched	6,690	32.00	264	225
	4830 Loop Adapter 1; requires Adapter Power Prerequisite; cannot be installed with 5424 Adapter	9,490	45.00	450	383
	4831 Loop Adapter 2; requires 4830	1,920	23.00	85	72
	4840 Data Link Adapter; requires 4830	1,180	10.50	53	45
	3843 Loop Control Unit	5,625	28.00	195	166
7770	Audio Response Unit, Model 3 (up to 4 lines)	58,760	96.00	1,865	—
	4677 I/O Line Expander (up to 4 more lines)	8,575	30.00	273	—
	4679 I/O Line Panel (one required for each 8 lines beyond the first 8)	3,660	3.50	116	—
	4668 I/O Line Frame (required for over 16 lines)	9,790	4.00	312	—
	8721 16 Additional Vocabulary Words	4,890	4.00	154	— ➤
3705-II	Communications Controller: For detailed pricing see Report 70C-491-06 (303X Series)				

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NC—No Charge.

IBM 4300 Series

SOFTWARE PRICES

		Monthly Charge		Monthly Licensed Program Support Charge	Monthly Multiple Licensed Program Support Charge
		Basic License Charge*	DSLO Charge*		
►5735-RC2	ACF/VTAM, OS/VS	322	241	42	67
	Networking Feature	773	579	127	203
5746-RC3	ACF/VTAM, DOS/VSE	134	100	42	67
	Networking Feature	254	190	127	203
5735-RC3	ACF/TCAM Version 2, OS/VS	615	461	71	114
	Networking Feature	1,035	776	88	141
5735-XX1	ACF/NCP/VS	155	116	24	38
5735-XX7	Network Terminal Option	146	109	9	14
5746-XE8	VSE/Advanced Functions, Releases 1 and 2	180	135	48	76
5746-RC7	Advanced Communications Function for VTAM Entry (ACF/VTAME)	131	98	61	98
5746-TS1	VSE/Interactive Computing and Control Facility	97	72	22	35
5746-XE3	VSE/POWER Releases 1 and 2	51	38	13	20
5746-RC9	DOS/VSE Remote Job Entry Workstation	103	—	—	—
5746-AM5	VSE/3270 Bisync Pass Through	159	—	—	—
5746-AM2	VSE/VSAM Releases 1 and 22	55	41	18	29
	VSE/VSAM Space Management for SAM feature	32	24	7	11
5746-AM4	VSE/Fast Copy Data Set Program	417	—	—	—
5746-UT3	VSE/Data Interfile Transfer, Testing and Operations Utility (VSE/DITTO)	36	27	5	8
5746-XE7	VSE/Access Control—Logging and Reporting	48	36	17	28
5746-SA1	VSE/Interactive Problem Control System	31	23	5	8
5746-RC5	Basic Telecommunications Access Method Extended Support	32	24	5	8
5746-SU1	IBM Systems 1401/1440/1460 Emulator	133	99	5	8
5746-LM3	DOS FORTRAN IV Library Option I	38	28	5	8
5746-CB1	DOS/VS COBOL Compiler and Library	157	117	12	19
5746-LM4	DOS/VS COBOL Library	29	21	5	8
5736-PL1	DOS PL/1 Optimizing Compiler	235	176	31	50
5736-LM4	DOS PL/1 Resident Library	55	41	5	8
5736-LM5	DOS PL/1 Transient Library	32	24	5	8
5736-PL3	DOS PL/1 Optimizing Compiler and Library	322	241	41	66
5746-RG1	DOS/VS RPG II	131	98	5	8
5746-SM2	DOS/VS Sort/Merge (Version 2)	128	90	11	18
5746-XX1	DL/1 DOS/VS (Version 1)	372	279	110	176
5748-XXJ	SQL/Data System	345	258	105	168
5748-XX8	VM/Basic System Extensions	136	102	33	52
5748-XE1	VM/System Extensions	1,345	1,005	148	237
5664-167	VM/System Product	330	247	50	80
5748-XP1	Remote Spooling Communications Subsystem (RSCS) Networking	84	63	28	45
5748-XXC	VM/Interactive File Sharing	40	30	12	19
5748-XXB	Display Management System/CMS	30	22	7	11
5748-XE4	VM/Directory Maintenance	98	73	23	37
5748-XT3	VM/CMS-3270 Display Support and Structured Programming Facility	419	—	—	—
5748-SA1	VM/Interactive Problem Control System Extension	41	30	5	8
5748-MS1	Interactive Productivity Facility	41	30	5	8
5748-RC1	VM/Pass-Through Facility	139	104	65	104
5746-XX3	CICS/VS/DOS	450	337	116	186
5740-XX1	CICS/OS/VS	1,425	1,065	116	186
5740-XC5	Development Management System/CICS/VS-OS	269	201	40	64
5746-XC4	Development Management System/CICS/VS-DOS	139	104	40	64
5740-XXF	DB/DC Data Dictionary for OS/VS	805	603	84	134
5746-XXC	DB/DC Data Directory for DOS/VS	366	274	66	105
5662-257	OS/VS1 Basic Programming Extension	189	141	35	56
5740-XYW	OS/VS1 Job Networking Facility	200	—	—	—
5740-XE1	MVS/System Extension	1,700	1,275	85	136
5740-XYS	MVS/SP-JES2 Release 1	1,700	1,275	85	136
	Release 2 or 3	1,715	1,285	175	280
5740-XYN	MVS/SP-JES3 Release 1	1,700	1,275	85	136
	Release 2 or 3	1,880	1,410	375	600 ►

*Effective 4/1/82.

IBM 4300 Series

SOFTWARE PRICES

		Monthly Charge		Monthly Licensed Program Support Charge	Monthly Multiple Licensed Program Support Charge
		Basic License Charge*	DSLO Charge*		
5740-XY4	RMF Version 2, Release 4	380	285	13	21
5740-XR8	JES2 NJE	693	519	72	115
5799-AZT	JES3 NJE	1,535	1,150	260	416
5740-XRB	MVS Hierarchical Storage Manager, Release 3	420	315	94	150
5748-FO3	VS FORTRAN Compiler and Library	212	159	15	24
5748-LM3	VS FORTRAN Library	63	47	5	8
5748-AP1	VS APL Release 4	305	228	33	52
5734-PL3	OS PL/1 Compiler and Library	339	254	41	66
5734-PL1	OS PL/1 Compiler	252	189	31	50
5734-LM4	OS PL/1 Resident Library	55	41	5	8
5734-LM5	OS PL/1 Transient Library	32	24	5	8
5740-SM1	OS/VS Sort/Merge Release 5	231	173	16	26
5740-CB1	OS/VS COBOL Compiler and Library	311	233	12	19
5740-LM1	OS/VS COBOL Library	101	75	5	8
5740-AM6	Data Facility/Device Support Release 1 (OS/VS1)	66	49	18	29
5740-UT3	Data Facility/Data Set Services Release 1 (OS VS1 and MVS)	67	50	17	27
5740-XYQ	Data Facility/Extended Function (MVS)	103	77	50	80
5740-AM7	Data Facility/Device Support (MVS)	70	52	14	22
5668-002	Direct Access Storage Device Migration Aid Release 1 (OS/VS1 and MVS)	1,150	—	—	—

*Effective 4/1/82.

	Monthly Program Support Charge	Monthly Additional Program Support Charge
CHARGES FOR LOCAL PROGRAMMING SUPPORT		
For Class 1 SCP on 4331 Model Group 1:		
Category A (DOS/VSE, OS/VS1 Release 7, VM/370 Release 6)	$154	$ 92
For Class 1 SCP on 4331 Model Group 2:		
Category A	220	132
For Class 1 SCP on 4341 Model Group 1:		
Category A	439	263
Category B (all SCP's in Category A, MVS Release 3.8, MVS corequisite SCP's)	627	276
For Class 1 SCP on 4341 Model Group 2:		
Category A	518	311
Category B	740	444■