

IBM System/34

New Product Announcement

Although the System/34 is not new, IBM has continued to provide enhancements to the product line in the form of new submodels, new peripherals, and new software. The additional submodels can well be considered as the midlife kicker for the System/34.

NEW SUBMODELS: IBM has announced 15 additional models with up to 256K bytes of main memory and 257.4 megabytes of disk storage. The new memory and disk capacities double those previously available. First customer shipments of the larger main memory models are scheduled for February 1981. First customer shipments of the new larger disk storage capacity models (192.9 and 257.4 megabytes) are scheduled for August 1981.

NEW PERIPHERALS: Included in the announced products are a line printer, integrated modems, and an auto call adapter.

The 3262 is a 132-position belt-type printer available in one model, which has an outward appearance identical to the 5211 Model I. The 3262 Model B1 is a stand alone unit, rated at 650 lines per minute with a 48-character set. The B1 attaches to the 5340 System Unit through the 3262 Printer Attachment Feature (5815) and the 5211/3262 Base Printer Attachment Feature (1110).

Print belts available for the 3262 include 48-, 64-, 96-, and 188-multinational character set; and special character sets. Special sets include a 48-character FORTRAN print belt. A print belt must be purchased separately with each printer. The 3262 operates at 10 characters per inch with operator-controlled line spacing of 6 or 8 lines per inch. Formatting is programmer-controlled. The 3262 employs paper from 3.5 to 16 inches wide and from 3 to 14 inches long, and can print on an original and up to five copies. The printer is fully buffered and utilizes a continuous metal print belt with 288 engraved characters.

The 5640/5641/5740/5741 are integrated modems employed with the 5251 Display Station which are microprocessor based and operate over public switched network facilities or nonswitched leased lines. Multipoint control, multipoint tributary or point to point operation can be configured in the nonswitched modem (5640 and 5740). The switched modems (5641 and 5741) connect directly through an integrated protective coupler (pending FCC approval). These units feature improved data throughput due primarily to lower error rates according to IBM. These units allow the system operator to select a half speed option if the line error rate increases due to a poorly received signal. Remote site modems are switched to the new data rate automatically without operator intervention. Model 5640 operates on 4 wire nonswitched lines with an 8.5 millisecond delay at 2400 bps, while Model 5740 operates on the same lines at 4800 bps with a 24 millisecond delay. For Models 5640 and 5740, line conditioning is not required on non-switched lines. Models 5641 and 5741 operate with integrated auto-answer capability for switched networks. Model 5641 operates at 2400 bps, while Model 5741 operates at 4800 bps.

The 5351/5352/5353/5354/5361/5362/5363/5364 are integrated modems requiring the Multiline Communications Adapter (MLCA). Up to two may be attached to a System/34 with MLCA. These modems are microprocessor based and operate over public switched network facilities or nonswitched leased lines. There are four nonswitched modems (535X) and four switched modems (536X). The nonswitched modems connect directly through an integrated protective coupler (pending FCC approval). These units feature, according to IBM, improved data throughput due primarily to lower error rates. Further, these units allow half speed operation through a system utility if the line error rate increases due to a poorly received signal. Remote site modems are switched to the new data rate automatically without operator intervention.

The 5411/5412/5413/5414 are auto-call adapters that permit an MLCA equipped System/34 to initiate a data link with a remote station automatically. Up to two auto-call adapters per MLCA is allowed. Under program control, this unit automatically dials into a switched network facility, available in conjunction with the EIA interface. Each line with an auto-call unit takes two interface positions on the MLCA, and therefore reduces the total number of line connections possible.

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NEW SOFTWARE: Two packages have been announced for the System/34; a BASIC compiler and finance subsystem software. The BASIC compiler requires at least 48K bytes of main memory and will be available in January 1980. System/34 BASIC is an interactive compiler with the user able to check the syntax of each line and to display the correct syntax. Additional features of System/34 BASIC include the ability to halt execution for examining or changing variables followed by resumption of program execution, the ability to display screen formats, and a screen scrolling capability. Screen formats are created by a screen format routine or the Screen Design Aid. The Finance Subsystem software supports communications with a Model 3601 Finance Controller in an SDLC environment and requires 96K bytes of main memory. The package will be available in January 1981.

EQUIPMENT PRICES

		<u>Purchase Price</u>	<u>Monthly Maint.</u>	<u>Monthly Rental*</u>	<u>Monthly Lease*</u>	
PROCESSORS						
5340	System Unit with 32K bytes of main memory; includes CPU, main memory, fixed disk storage, and one diskette drive:					
C36	64K bytes, Magazine, 192.9 megabytes	\$ 6,485	\$320.00	\$2,266	\$2,063	
C37	64K bytes, Magazine, 257.4 megabytes	7,385	366.00	2,565	2,335	
D36	96K bytes, Magazine, 192.9 megabytes	6,642	330.00	2,358	2,147	
D37	96K bytes, Magazine, 257.4 megabytes	7,542	376.00	2,657	2,419	
E36	128K bytes, Magazine, 192.9 megabytes	6,799	340.00	2,450	2,231	
E37	128K bytes, Magazine, 257.4 megabytes	7,699	386.00	2,749	2,503	
F22	256K bytes, Diskette 2D, 13.2 megabytes	3,726	234.00	1,788	1,629	
F23	256K bytes, Diskette 2D, 27.1 megabytes	4,464	269.00	2,041	1,859	
F24	256K bytes, Diskette 2D, 63.9 megabytes	5,244	269.00	2,091	1,905	
F25	256K bytes, Diskette 2D, 128.4 megabytes	6,144	315.00	2,390	2,177	
F33	256K bytes, Magazine, 27.1 megabytes	4,716	289.00	2,126	1,937	
F34	256K bytes, Magazine, 63.9 megabytes	5,496	289.00	2,176	1,983	
F35	256K bytes, Magazine, 128.4 megabytes	6,396	335.00	2,475	2,255	
F36	256K bytes, Magazine, 192.9 megabytes	7,629	384.00	2,884	2,627	
F37	256K bytes, Magazine, 257.4 megabytes	8,529	430.00	3,183	2,899	
OPTIONS AND PERIPHERALS						
5340	5351	4800 bps Integrated Modem 1	3,465	15.00	118	107
	5352	4800 bps Integrated Modem 2	3,465	15.00	118	107
	5353	4800 bps Integrated Modem 3	3,465	15.00	118	107
	5354	4800 bps Integrated Modem 4	3,465	15.00	118	107
	5361	4800 bps Integrated Modem Switched/Auto-answer 1	3,675	15.00	124	113
	5362	4800 bps Integrated Modem Switched/Auto-answer 2	3,675	15.00	124	113
	5363	4800 bps Integrated Modem Switched/Auto-answer 3	3,675	15.00	124	113
	5364	4800 bps Integrated Modem Switched/Auto-answer 4	3,675	15.00	124	113
	5411	Auto-call Adapter 1	1,135	1.00	35	32
	5412	Auto-call Adapter 2	1,135	1.00	35	32
	5413	Auto-call Adapter 3	1,135	1.00	35	32
	5414	Auto-call Adapter 4	1,135	1.00	35	32
5251	5640	2400 bps Integrated Modem Non-switched	2,050	23.00	72	61
	5641	2400 bps Integrated Modem Switched	2,260	24.00	78	66
	5740	4800 bps Integrated Modem Non-switched	3,570	34.00	126	107
	5741	4800 bps Integrated Modem Switched	3,750	36.00	132	112
3262	B1	Line Printer, 650 lpm	14,700	126.00	438	373

SOFTWARE

Monthly License Charge

BASIC	\$ 40
Finance Subsystem	125