

## IBM 5280 Distributed Data System

► **Description.** These programs provide software support for a 5285 Programmable Data Station or 5288 Programmable Control Unit equipped with the 2500 or 3270 Emulation Communications Adapter and communicating over a single line in either BSC or SDLC mode. The communications programs operate concurrently with other applications. Only the 960-character and 1920-character display sizes are supported.

The Batch Data Transfer/Inquiry program provides for batch data transfer to a host system or terminal and inquiry to a host system. It supports SNA/SDLC communications as an LU1-type terminal to a System/370, 303X, or 4300 Series computer with CICS/VS and IMS/VS, or BSC communications with a System/370, 303X, or 4300 with CICS/VS, IMS/VS (as a 3741), and VSE/POWER, or with System/3/32/34 RPG II, System/3 CCP, System/34 SSP-ICF, Series/1 RPS Versions 3 and 4, a 3740, a 5260, or another 5280. The minimum main storage required is 32K bytes for BSC communications and 64K bytes for SNA/SDLC.

The SNA/SDLC Remote Job Entry (SRJE) facility permits the 5280 system to function as an RJE terminal consisting of one console, one reader, one punch, and one printer. Printer data streams can be directed to either a printer or diskette, while punch data streams are directed to diskette. SNA support on the host computer is via ACF/VTAM and ACF/NCP/VS to RES, JES2, JES3, and DOS/VSE/POWER. The minimum main storage requirement on the 5280 is 64K bytes.

The Multi-Leaving Remote Job Entry (MRJE) facility permits the 5280 system to function as an RJE terminal with full multi-leaving support for concurrent device operation of one console, one reader, one punch, and one printer. Printer data streams can be directed to either a printer or diskette, while punch data streams are directed to diskette. BSC support on the host computer treats the 5280 as a System/3 MRJE workstation for RES, JES2, and JES3. The minimum main storage requirement is 48K bytes on a 5285 or 64K bytes on a 5288.

The Communications Configuration and Job Description program is used to prepare communications environments via job step prompts. Descriptions are stored on diskette by job name, and are used to initiate the communications link with the host computer or another terminal. Initiation of the link with the host may be either dynamic or predetermined for operator convenience.

The 5280—3270 Emulation licensed program allows the 5280 Distributed Data System to function as selected 3270 control units and devices to existing host applications. The program consists of the following: the 3270 Device Emulation Program, the 3270 Batch Transfer Utility, and the 3270 Program Interface.

The 3270 Device Emulation Program allows the 5280 to appear to the host as a 3274 Model 1C Control Unit under SNA/SDLC or as a 3271 Model 2 Control Unit under BSC. With the 3270 Device Emulation Program, the 1920-character 5281 Data Station (attached to a 5288 Programmable Control Unit) and the 1920-character 5285 Programmable Data Station appear to a host system as a 3277 Model 2 Display Station with selected features. The 5280 Distributed Data System's printers are also emulated to appear as the 3284 Model 2, the 3286 Model 2, and the 3288 Model 2 printers under BSC and the 3287 Printer Models 1 and 2 under SNA/SDLC. Host system communication subsystems that are supported include System/370 IMS/VS, CICS/VS, TSO, and System/3 Model 15D CCP.

The following BSC host system support is provided for the 5280—3270 Device Emulation Program:

- IMS/VS with BTAM under OS/VS1 or OS/VS2 (MVS)
- IMS/VS with ACF/VTAM under OS/VS1 or OS/VS2 (MVS)
- CICS with BTAM under OS/VS1 or OS/VS2 (MVS)
- CICS/VS with ACF/TCAM under OS/VS1 or OS/VS2 (MVS)
- CICS/VS with BTAM under DOS/VSE or DOS/VS
- CICS/VS with ACF/VTAM under OS/VS1 or OS/VS2 (VMS)
- TSO with ACF/VTAM under OS/VS2 (MVS)\*
- System/3 Model 15D under CCP

(Note: \*TSO does not support printers. All of the above systems, with the exception of the System/3, are also supported when under control of VM/370.)

The following SNA/SDLC host system support is provided for the 5280—3270 Device Emulation Program:

- IMS/VS with ACF/VTAM under OS/VS1 or OS/VS2 (MVS)
- CICS/VS with ACF/VTAM under OS/VS1 or OS/VS2 (MVS)
- CICS/VS with ACF/TCAM under OS/VS1 or OS/VS2 (MVS)
- CICS/VS with ACF/VTAM under DOS/VS or DOS/VSE
- TSO with ACF/VTAM under OS/VS2 (MVS)\*

\*TSO does not support printers.

Minimum 5285 and 5288 system configuration requirements required to support the 5280—3270 Device Emulation Program include 64K bytes of memory (96K bytes if printer is used in conjunction with a keyboard/display), the 3270 Emulation Communications Adapter, and a display size of 1920 characters.

The 3270 Batch Transfer Emulation Utility enables the user to transmit and receive batch data when communicating with a host system via 3270 BSC protocols. Record lengths can be a maximum of 1918 bytes. Transaction IDs and how they are used during transmission may be specified. A user program is required at the host to send or receive batch data.

The 3270 Program Interface provides the 5280 user with a program-to-program interface using 3270 BSC protocols. Up to seven concurrent sessions are supported, with each session representing a different 3270 device address. The user application interface is through DE/RPG and Cobol.

## PRICING

**POLICY:** IBM offers the 5280 system on a purchase, 24-month lease, or rental basis. The warranty period is three months. The standard IBM lease or rental contract entitles the customer to unlimited usage each month. Prime-shift maintenance is included in the lease or rental price. The purchase option accrual equals 45 percent of the monthly charge up to 50 percent of the purchase price. IBM's standard educational allowance of 10 percent applies to the 5280 system for lease, rental, and purchase customers.

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. CPUs 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. ►

## IBM 5280 Distributed Data System

► **MAINTENANCE:** For purchased, leased, or rented systems, the 5280 system 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:

	<u>Consecutive hours</u>				
	<u>9*</u>	<u>12</u>	<u>16</u>	<u>20</u>	<u>24</u>
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 a.m. to 6:00 p.m.

For users without a maintenance contract, the 5280 system is maintained under per-call class 2. Under this class, the per-call charge during regular hours is \$105.00 per hour, and during off hours, the charge is \$123.00 per hour. The hourly rate for systems engineering service is \$57.00.

**SOFTWARE:** The 5280 System Control Programming (SCP) is supplied with the hardware at no additional cost. All the other current IBM programs for the 5280 are licensed separately and offered at fixed monthly license fees, as listed under SOFTWARE PRICES.

**INSTALLATION AND TESTING:** All components of the 5280 system are designated as "customer set-up" machines. The customer set-up allowance is two days for the 5281, 5282, 5285, 5286, and 5288. For the 5280 printers, the customer set-

up allowance is two days when the printer is installed concurrently with a 5280 system and one day when the printer is added to a previously installed 5280 system.

A preinstallation testing allowance is also offered for the three programmable units of the 5280 system. The allowance is 8 hours per 5285, 4 hours per 5286, and 8 hours per 5288. This allowance is applicable to only the first two units of each type installed by any one customer.

Communicating 5280 units (i.e., 5285s and 5288s equipped with the 2500 Communications Adapter or the 3270 Emulation Communications Adapter) are eligible for an additional "on-site allowance" (OSA) of seven days each for any combination of the first three communicating 5285 and/or 5288 units installed within an enterprise, together with all devices attached to the 5285 and/or 5288 units.

**EQUIPMENT:** The following configurations show the 5280 system in its minimum configuration and in a representative single-keyboard system with dual diskette drives, a printer, and communications capabilities.

**MINIMUM SYSTEM:** Consists of a 5285 Model A01 Programmable Data Station with 32K bytes of main memory, one Diskette 1 drive, and a keyboard. The purchase price is \$6,337, and the 2-year lease price is \$205 per month.

**TYPICAL SYSTEM:** Consists of a 5285 Model C10 Programmable Data Station with 64K bytes of main memory, two Diskette 2D drives, a keyboard, the 2500 Communications Adapter, and the 120-cps 5256 Model 3 Printer. The purchase price is \$15,535, and the 2-year lease price is \$592 per month. The same configuration with the 3270 Emulation Communications Adapter in lieu of the 2500 Communications Adapter is available for a purchase price of \$16,560 or a 2-year lease price of \$620 per month.

### EQUIPMENT PRICES

		<u>Purchase Price</u>	<u>Monthly Maint.</u>	<u>Monthly Rental Charge*</u>	<u>Monthly Lease Charge (2-Yr. Lease)*</u>
<b>PROGRAMMABLE DATA STATIONS</b>					
<b>5285</b>	Programmable Data Station:				
	A01 With 32K and one Diskette 1 drive	\$ 5,958	\$ 44.00	\$226	\$192
	A02 With 32K and two Diskette 1 drives	7,086	54.50	276	235
	A05 With 32K and one Diskette 2D drive	6,632	52.50	249	211
	A06 With 32K, one Diskette 1 drive, and one Diskette 2D drive	7,760	63.00	299	254
	A10 With 32K and two Diskette 2D drives	8,434	71.50	322	273
	B01 With 48K and one Diskette 1 drive	6,409	45.00	242	206
	B02 With 48K and two Diskette 1 drives	7,537	55.50	292	249
	B05 With 48K and one Diskette 2D drive	7,083	53.50	265	225
	B06 With 48K, one Diskette 1 drive, and one Diskette 2D drive	8,211	64.00	315	268
	B10 With 48K and two Diskette 2D drives	8,885	72.50	338	287
	C01 With 64K and one Diskette 1 drive	6,630	46.00	251	213
	C02 With 64K and two Diskette 1 drives	7,758	56.50	301	256
	C05 With 64K and one Diskette 2D drive	7,304	54.50	274	232
	C06 With 64K, one Diskette 1 drive, and one diskette 2D drive	8,432	65.00	324	275
	C10 With 64K and two Diskette 2D drives	9,106	73.50	347	294
	D01 With 96K and one Diskette 1 drive	7,302	48.00	276	235
	D02 With 96K and two Diskette 1 drives	8,430	58.50	326	278
	D05 With 96K and one Diskette 2D drive	7,976	56.50	289	254
	D06 With 96K, one Diskette 1 drive, and one Diskette 2D drive	9,104	67.00	349	297
	D10 With 96K and two Diskette 2D drives	9,778	75.50	372	316
<b>5286</b>	Dual Programmable Data Station:				
	A02 With 32K and two Diskette 1 drives	8,008	50.50	276	235
	A10 With 32K and two Diskette 2D drives	9,356	67.00	322	273
	B02 With 48K and two Diskette 1 drives	8,459	51.50	292	249
	B10 With 48K and two Diskette 2D drives	9,807	68.50	338	287
	C02 With 64K and two Diskette 1 drives	8,680	52.50	301	256
	C10 With 64K and two Diskette 2D drives	10,028	69.50	347	294
	D02 With 96K and two Diskette 1 drives	9,352	54.50	326	278
	D10 With 96K and two Diskette 2D drives	10,700	71.00	372	316

\*Rental and lease charges include maintenance.

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### EQUIPMENT PRICES

		Purchase Price	Monthly Maint.	Monthly Rental Charge*	Monthly Lease Charge (2-Yr. Lease)*
<b>PROGRAMMABLE DATA STATIONS (Continued)</b>					
Keyboards for 5285 and 5286 (one required for each operator position):					
4800	83-key EBCDIC Keyboard	\$ 379	\$4.00	\$15	\$13
4601	66-key Data Entry Keyboard	379	4.00	15	13
4602	66-key Data Entry Keyboard with Proof Arrangement	379	4.00	15	13
4603	83-key ASCII Keyboard	379	4.00	15	13
Special features for 5285 and 5286 (except as noted):					
1150	5224/5225/5256 Twinax Printer Attachment (for 5285 only)	540	2.00	15	13
1152	5222 Printer Attachment	460	2.50	16	14
1200	Attachment for one 480-character 5281 Data Station	654	2.00	18	15
1205	Attachment for one 960-character 5281 Data Station (for 5285 only)	767	2.50	25	21
1210	Attachment for one 1920-character 5281 Data Station (for 5285 only)	879	3.00	33	28
1215	Attachment for one 480-character 5282 Dual Data Station	767	2.50	25	21
1220	Attachment for one 960-character 5282 Dual Data Station (for 5285 only)	879	3.00	33	28
1240	Remote Diskette Drive Attachment (required if an attached 5281 or 5282 has either 1 or 2 diskette drives)	213	1.00	6	5
3300	Display Screen Filter	70	—	—	—
3500	960-Character Display Size (for 5285 only)	112	1.00	6	5
3505	1920-Character Display Size (for 5285 only)	225	1.00	15	13
3610	Elapsed Time Counter (measures elapsed real time)	112	1.00	6	5
4950	Magnetic Stripe Reader (4955 or 4960 is a prerequisite)	428	2.50	15	13
4955	Magnetic Stripe Reader Adapter/Elapsed Time Counter (for 5286 or non-communicating 5285)	642	2.50	21	18
4960	Magnetic Stripe Reader Adapter/Elapsed Time Counter (for communicating 5285)	256	1.00	7	6
6340	Security Keylock	43	—	—	—
6800	Second Application Microprocessor	1,285	2.50	48	41

### PROGRAMMABLE CONTROL UNITS

5288

Programmable Control Unit:

Submodel	Bytes of Main Storage	Diskette 1 Drives	Diskette 2D Drives				
A01	32K	1	0	6,657	35.50	224	193
A02	32K	2	0	7,785	46.00	274	236
A03	32K	3	0	8,913	57.00	324	279
A04	32K	4	0	10,041	68.00	374	322
A05	32K	0	1	7,331	43.00	247	212
A06	32K	1	1	8,459	54.00	297	255
A07	32K	2	1	9,587	65.00	347	298
A08	32K	3	1	10,715	76.00	397	341
A10	32K	0	2	9,133	62.00	320	274
A11	32K	1	2	10,261	73.00	370	317
A12	32K	2	2	11,389	84.00	420	360
A15	32K	0	3	10,935	81.00	393	336
A16	32K	1	3	12,063	92.00	443	379
A20	32K	0	4	12,737	100.00	466	398
C01	64K	1	0	7,329	37.00	249	214
C02	64K	2	0	8,457	48.00	299	257
C03	64K	3	0	9,585	59.00	349	300
C04	64K	4	0	10,713	70.00	399	343
C05	64K	0	1	8,003	45.00	272	233
C06	64K	1	1	9,131	56.00	322	276
C07	64K	2	1	10,259	67.00	372	319
C08	64K	3	1	11,387	78.00	422	362
C10	64K	0	2	9,805	64.00	345	295
C11	64K	1	2	10,933	75.00	395	338
C12	64K	2	2	12,061	86.00	445	381
C15	64K	0	3	11,607	83.00	418	357
C16	64K	1	3	12,735	94.00	468	400
C20	64K	0	4	13,409	102.00	491	419
D01	96K	1	0	8,001	39.00	274	235
D02	96K	2	0	9,129	50.00	324	278
D03	96K	3	0	10,257	61.00	374	321
D04	96K	4	0	11,385	72.00	424	364
D05	96K	0	1	8,675	47.00	297	254
D06	96K	1	1	9,803	58.00	347	297
D07	96K	2	1	10,931	69.00	397	340
D08	96K	3	1	12,059	80.00	447	383
D10	96K	0	2	10,477	66.00	370	316
D11	96K	1	2	11,605	77.00	420	359

\*Rental and lease charges include maintenance.

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EQUIPMENT PRICES

PROGRAMMABLE CONTROL UNITS (Continued)					Purchase Price	Monthly Maint.	Monthly Rental Charge*	Monthly Lease Charge (2-Yr. Lease)*
Submodel	Bytes of Main Storage	Diskette 1 Drives	Diskette 2D Drives					
D12	96K	2	2	\$12,733	\$ 88.00	\$470	\$402	
D15	96K	0	3	12,279	85.00	443	378	
D16	96K	1	3	13,407	96.00	493	421	
D20	96K	0	4	14,081	104.00	516	440	
E01	128K	1	0	8,673	41.00	299	256	
E02	128K	2	0	9,801	52.00	349	299	
E03	128K	3	0	10,929	63.00	399	342	
E04	128K	4	0	12,057	74.00	449	385	
E05	128K	0	1	9,347	49.00	322	275	
E06	128K	1	1	10,475	60.00	372	318	
E07	128K	2	1	11,603	71.00	422	361	
E08	128K	3	1	12,731	82.00	472	404	
E10	128K	0	2	11,149	68.00	395	337	
E11	128K	1	2	12,277	79.00	445	380	
E12	128K	2	2	13,405	90.00	495	423	
E15	128K	0	3	12,951	87.00	468	399	
E16	128K	1	3	14,079	98.00	518	442	
E20	128K	0	4	14,953	106.00	541	461	
F01	160K	1	0	9,345	43.00	324	277	
F02	160K	2	0	10,473	54.00	374	320	
F03	160K	3	0	11,601	65.00	424	363	
F04	160K	4	0	12,729	76.00	474	406	
F05	160K	0	1	10,019	51.00	347	296	
F06	160K	1	1	11,147	62.00	397	339	
F07	160K	2	1	12,275	73.00	447	382	
F08	160K	3	1	13,403	84.00	497	425	
F10	160K	0	2	11,821	70.00	420	358	
F11	160K	1	2	12,949	81.00	470	401	
F12	160K	2	2	14,077	92.00	520	444	
F15	160K	0	3	13,623	89.00	493	420	
F16	160K	1	3	14,751	100.00	543	463	
F20	160K	0	4	15,425	109.00	566	482	
H01	224K	1	0	10,689	48.00	374	322	
H02	224K	2	0	11,817	58.50	424	365	
H03	224K	3	0	12,945	69.00	474	408	
H04	224K	4	0	14,073	79.50	524	451	
H05	224K	0	1	11,363	56.50	397	341	
H06	224K	1	1	12,491	67.00	447	384	
H07	224K	2	1	13,619	77.50	497	427	
H08	224K	3	1	14,747	88.00	547	470	
H10	224K	0	2	13,165	75.50	470	403	
H11	224K	1	2	14,293	86.00	520	446	
H12	224K	2	2	15,421	96.50	570	489	
H15	224K	0	3	14,967	94.50	543	465	
H16	224K	1	3	16,095	105.00	593	508	
H20	224K	0	4	16,769	113.00	616	527	
J01	288K	1	0	12,033	52.50	424	365	
J02	288K	2	0	13,161	63.00	474	408	
J03	288K	3	0	14,289	73.50	524	451	
J04	288K	4	0	15,417	84.00	574	494	
J05	288K	0	1	12,707	60.50	447	384	
J06	288K	1	1	13,835	71.00	497	427	
J07	288K	2	1	14,963	81.50	547	470	
J08	288K	3	1	16,091	92.00	597	513	
J10	288K	0	2	14,509	79.50	520	446	
J11	288K	1	2	15,637	90.00	570	489	
J12	288K	2	2	16,765	100.50	620	532	
J15	288K	0	3	16,311	98.50	593	508	
J16	288K	1	3	17,439	109.00	643	551	
J20	288K	0	4	18,113	117.50	666	570	

Special features for 5288 Programmable Control Unit:

1245	Attachment for one 480-character 5281 Data Station	NC	NC	NC	NC
1250	Attachment for one 960-character 5281 Data Station	112	1.00	6	5
1255	Attachment for one 1920-character 5281 Data Station	225	1.50	15	13
1260	Attachment for one 480-character 5282 Dual Data Station	112	1.00	6	5
1265	Attachment for one 960-character 5282 Dual Data Station	225	1.50	15	13

\*Rental and lease charges include maintenance.

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EQUIPMENT PRICES

		Purchase Price	Monthly Maint.	Monthly Rental Charge*	Monthly Lease Charge (2-Yr. Lease)*
<b>PROGRAMMABLE CONTROL UNITS (Continued)</b>					
1270	Attachment for one additional 480-character 5281 (prerequisite: 1245 or 1260)	\$ 654	\$ 2.00	\$ 18	\$ 15
1275	Attachment for one additional 960-character 5281 (prerequisite: 1250 or 1265)	767	2.50	25	21
1280	Attachment for one additional 1920-character 5281 (prerequisite: 1255)	879	3.00	33	28
1285	Attachment for one additional 480-character 5282 (prerequisite: 1245 or 1260)	767	2.50	25	21
1290	Attachment for one additional 960-character 5282 (prerequisite: 1250 or 1265)	879	3.00	33	28
1300	Remote Diskette Drive Attachment, First (required for first and second remote drives when base 5288 has 1 or 2 drives)	213	1.00	6	5
1301	Remote Diskette Drive Attachment, Second (required for first and second remote drives when base 5288 has 3 or 4 drives, or for third and fourth remote drives when base 5288 has 1 or 2 drives)	970	4.50	31	26
1302	Remote Diskette Drive Attachment, Third (required for third and fourth remote drives when base 5288 has 3 or 4 drives, or for fifth and sixth remote drives when base 5288 has 1 or 2 drives)	213	1.00	6	5
1155	Single 5225/5256 Twinax Printer Attachment (provides a single port for attaching from 1 to 5 printers via a single twinax cable)	540	2.00	15	13
1157	Single 5222 Printer Attachment	460	2.50	16	14
1160	Multiple 5225/5256 Twinax Printer Attachment (provides 4 ports for attaching, via twinax cable, up to 5 printers)	755	3.00	21	18
1162	Multiple 5222/Twinax Printer Attachment	802	3.50	27	23
3300	Display Screen Filter	70	—	—	—
3610	Elapsed Time Counter	112	1.00	6	5
4955	Magnetic Stripe Reader Adapter/Elapsed Time Counter (controls up to 4 Magnetic Stripe Readers on attached 5281 and/or 5282 data stations)	642	2.50	21	18
6340	Security Keylock	43	—	—	—
6800	Second Application Microprocessor	1,285	2.50	48	41

**AUXILIARY DATA STATIONS**

5281	Data Station:				
Z00	With no diskette drive	2,295	13.50	73	63
Z01	With one Diskette 1 drive	3,636	25.50	129	111
Z02	With two Diskette 1 drives	4,764	36.00	179	154
Z05	With one Diskette 2D drive	4,310	34.00	152	130
Z06	With one Diskette 1 drive and one Diskette 2D drive	5,438	44.50	202	173
Z10	With two Diskette 2D drives	6,112	53.00	225	192
5282	Dual Data Station:				
Z00	With no diskette drive	2,604	15.00	79	68
Z01	With one Diskette 1 drive	3,945	27.50	136	116
Z02	With two Diskette 1 drives	5,073	38.00	186	159
Z05	With one Diskette 2D drive	4,450	34.00	149	127
Z06	With one Diskette 1 drive and one Diskette 2D drive	5,747	46.00	209	178
Z10	With two Diskette 2D drives	6,421	54.50	232	197
Keyboards for 5281 and 5282 (one required for each operator position):					
4600	83-key EBCDIC Keyboard	379	4.00	15	13
4601	66-key Data Entry Keyboard	379	4.00	15	13
4602	66-key Data Entry Keyboard with Proof Arrangement	379	4.00	15	13
4603	83-key ASCII Keyboard	379	4.00	15	13

Special features for 5281 and 5282:

3300	Display Screen Filter	70	—	—	—
4950	Magnetic Stripe Reader	428	2.50	15	13

**PRINTERS**

5222	Printer:				
Mdl. 1	80 cps at 10 cpi; 80 cps at 15 cpi	2,605	29.00	129	110
5224	Printer:				
Mdl. 1	140 lpm at 10 cpi; 95 lpm at 15 cpi	6,395	45.00	300	255
Mdl. 2	240 lpm at 10 cpi; 175 lpm at 15 cpi	7,280	53.00	342	291
5225	Printer:				
Mdl. 1	280 lpm at 10 cpi; 195 lpm at 15 cpi	12,710	87.00	465	396
Mdl. 2	400 lpm at 10 cpi; 290 lpm at 15 cpi	14,680	122.00	531	452
Mdl. 3	490 lpm at 10 cpi; 355 lpm at 15 cpi	16,310	150.00	591	503
Mdl. 4	560 lpm at 10 cpi; 420 lpm at 15 cpi	17,830	178.00	649	552

## IBM 5280 Distributed Data System

### EQUIPMENT PRICES

		<u>Purchase Price</u>	<u>Monthly Maint.</u>	<u>Monthly Rental Charge*</u>	<u>Monthly Lease Charge (2-Yr. Lease)*</u>
<b>PRINTERS (Continued)</b>					
5256	Printer:				
	Mdl. 1 40 characters per second	\$4,605	\$38.50	\$217	\$185
	Mdl. 2 80 characters per second	4,820	42.00	247	210
	Mdl. 3 120 characters per second	5,035	47.50	268	228
Special features for the Printers:					
1470	Audible Alarm (signals operator when manual intervention is required due to one of nine error conditions; for 5225 and 5256 printers only)	50	—	—	—
2680	Cable Thru (permits multiple printers to be connected to a single twinax cable; required on each printer except the last; for 5225 and 5256 printers only)	119	1.00	4	3
4450	Forms Stand (for 5222, 5224 and 5256 printers only)	54	—	—	—
6100	Rear Document Insert Device (for 5222 only)	130	0.50	7	6
<b>COMMUNICATIONS</b>					
2500	Communications Adapter (for 5285 or 5288 only)	1,015	9.50	67	57
3270	3270 Emulation Communications Adapter (for 5285 or 5288 only)	2,040	14.50	100	85
3701	EIA Interface (provides RS-232-C interface for an external modem)	372	1.50	16	14
5500	1200-bps Integrated Modem, non-switched	686	4.00	22	19
5501	1200-bps Integrated Modem, switched with auto answer	744	3.50	32	27
5502	1200-bps Integrated Modem, switched without auto answer	686	3.50	22	19
5507	1200-bps Integrated Modem, non-switched with SNBU manual answer	744	4.00	33	28
5508	1200-bps Integrated Modem, non-switched with SNBU auto answer	947	4.50	36	31
5650	Digital Data Service Adapter; Point-to-Point	873	1.50	31	26
5651	Digital Data Service Adapter, Multipoint	873	1.50	31	26
5810	Power Supply Expansion (required on 5285 if 5501 or 5508 is installed)	79	1.50	4	3

### SOFTWARE PRICES

		<u>Basic Monthly License Charge</u>
5708-AS1	Assembler	\$ 38
5708-CB1	COBOL-OS/VS Host Compiler and Library	144
5708-CB2	COBOL-DOS/VSE Host Compiler and Library	144
5708-DC1	Communications Utilities	23
5708-DE1	DE/RPG	12
5708-EM1	5280—3270 Emulation	46
5708-SC1	System Control Programming (SCP)	NC
5708-SM1	Sort/Merge	12
5708-UT1	Utilities	7
5798-NZH	OS/6 Communications and File Conversion System	143
5798-RBZ	5280 Contract Data Entry/Edit Support	50
5798-RCR	5280 Format Design Aid	600**
5798-RDF	5280 Distribution Order Subsystem	35

\*Rental and lease charges include maintenance.

\*\*Available on a one-time charge only. ■