IBM

**General Systems Division
Product Announcement**

681-11
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[Immediately File Attached Sales
Manual Text in Appropriate
Sales Manual Section]

IBM 5280 DISTRIBUTED DATA SYSTEM ENHANCED

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ADDITIONAL MAIN STORAGE CAPACITY ANNOUNCED FOR THE IBM 5280 DISTRIBUTED DATA SYSTEM

New models of the 5285 Programmable Data Station, the 5286 Dual Programmable Data Station, and the 5288 Programmable Control Unit provide expanded main storage sizes. Maximum main storage capacity is expanded to 96K on the 5285 and 5286, and to 288K on the 5288.

The 5285 is extended by five new models, with a main storage capacity of 96K. The 5286 is extended by two new models, with a main storage capacity of 96K. The 5288 is extended by 14 new models with a main storage capacity of 224K, and 14 models with a main storage capacity of 288K. These new models of the 5280 Distributed Data System offer users greater flexibility in the design and use of their systems.

Deliveries
First Customer Shipment (FCS) of the new models is scheduled for March, 1981.

Shipping dates will be assigned sequentially to orders entered in AAS. Orders involving multiple units are subject to an extension of schedules. A delivery schedule will be established and initial schedules will be assigned within 60 days. No delivery commitments are to be made to customers until confirmed schedules are received in the branch office.

Existing orders which are altered to the new models will be treated as new orders and are subject to deferral.

Equipment should be ordered for the location where it will be installed.

MESs
MES orders for model changes will be accepted immediately. First Customer Shipment of MESs will be the same as for the models designated above.

Programming Support
5280 System Control Programming (5708-SC1) Release 2 contains support for the new models.

Production Category
All models of the 5285, 5286, and 5288 are in new production.

RPQs
RPQs may be submitted immediately with response time (minimum 90 days) and delivery dependent upon complexity.

Sales Compensation Plan
Normal provisions apply.

Model Changes
The 5285, 5286, and 5288 are model upgradable within machine type.

Education Allowance
The Standard Educational Allowance (10%) applies to the 5285, 5286, and 5288 (applies to lease, rental, and purchase customers).

Sales Manual Text
New models are included in the attached interim *GSD Sales Manual* pages.

SECOND APPLICATION MICROPROCESSOR ANNOUNCED FOR THE IBM 5280 DISTRIBUTED DATA SYSTEM

The Second Application Microprocessor feature (#6800) provides more processing power to be used as an aid to performance improvement for the 5280 Distributed Data System. This microprocessor performs identical function and operates concurrently with the first (base) application microprocessor. It is specifically intended for those users seeking improved performance when operating in a multiprogramming mode.

Highlights
- Adds more processing power to the 5280 Distributed Data System
- Provides potential for improved performance
- Is designed to be used in a multiprogramming environment with heavy processor utilization
- Is available for the 5285 Programmable Data Station (without communications), the 5286 Dual Programmable Data Station, and the 5288 Programmable Control Unit
- Allows assignment of each application microprocessor to specific, contiguous partitions, thereby allowing selected user programs to be serviced by a dedicated application microprocessor
- Allows assignment of both application microprocessors to all partitions, thereby allowing all concurrently executing programs to be serviced by two application microprocessors
- Provides user-selectable partition assignments via SCP function
- Does not require user application program changes
- Is field installable

The Second Application Microprocessor feature (#6800) performs applications, logic, and arithmetic. The feature is available for the 5285 Programmable Data Station (without Communications Adapter #2500), the 5286 Dual Programmable Data Station, and the 5288 Programmable Control Unit. It is designed to operate concurrently with the standard (base) application microprocessor to provide more processing power for the 5280 Distributed Data System. Both microprocessors operate independently to service active partitions. Each microprocessor can be assigned to specific, contiguous partitions by the user. This allows a specific user program(s) to be serviced by a dedicated application microprocessor. If unassigned by the user, the microprocessors are allocated to all active partitions. In this case, all concurrently executing programs will be serviced by two application microprocessors. Partition assignments are made using a 5280 System Control Programming (5708-SC1) facility.

The second application microprocessor provides potential for improved performance. It is designed to be used in a multiprogramming environment where the base application microprocessor is heavily utilized. Heavy utilization occurs, for example, when programs are compute bound, or when foreground partitions have a high rate of "attentions" (for example: keyed record completion, user program exit). Ultimate system performance is highly dependent upon such factors as system configuration, the number of active partitions, user program processing requirements, and operating characteristics.

Deliveries
First Customer Shipment (FCS) is scheduled for June 1981.

Existing orders of systems which are altered to add the new feature are subject to deferral.

MESs
MES orders for field installation will be accepted immediately. First Customer Shipment of MESs will be the same as the FCS date stated above.

Programming Support
Release 2 of 5280 System Control Programming (5708-SC1) is a prerequisite for this feature. See GSD Programming Announcement Letter P681-11.

RPQs
RPQs may be submitted immediately with response time (minimum 90 days) and delivery dependent upon complexity.

Sales Compensation Plan
Normal provisions apply.

IBM 5280 DISTRIBUTED DATA SYSTEM PRINTERS INCREASED TO MAXIMUM OF EIGHT

Effective immediately, the maximum number of printers which can be attached to a 5288 Programmable Control Unit is increased from five to eight. The new maximum is available using the 5222, 5225, and 5256 Printers and existing 5288 printer attachment special features.

Any combination (up to eight) of 5222, 5225, and 5256 Printers can be attached to a 5288, consistent with existing printer attachment feature limitations.* There are no hardware changes as a result of this announcement.

A summary of 5288 printer attachment special features is presented below:

Single Twinax Printer Attachment (#1155)
Maximum number of printers that can be attached: 7
Number of 5225/5256 ports: 1
Maximum number of printers per port: 7

*Note: Printer speeds may be affected by the customer's program, application load, forms design and/or the number of printers attached to the system.

Multiple Twinax Printer Attachment (#1160)
Maximum number of printers that can be attached: 8
Number of 5225/5256 ports: 4
Maximum number of printers per port: 7

Single 5222 Printer Attachment (#1157)
Maximum number of printers that can be attached: 1
Number of 5222 ports: 1

Multiple 5222/Twinax Printer Attachment (#1162)
Maximum number of printers that can be attached: 8
Number of 5225/5256 ports: 1
Maximum number of 5225/5256 Printers per port: 7
Number of 5222 ports: 4
Maximum number of 5222 Printers per port: 1

Programming Support
5280 System Control Programming (5708-SC1) has been enhanced to allow a 5288 system configuration which includes up to eight printers. This support is included in Release 2 of 5280 System Control Programming (see Programming Announcement Letter P681-11).

ORDERING INFORMATION FOR 5288 PRINTER ATTACHMENT SPECIAL FEATURES

See interim *GSD Sales Manual* pages attached.

3270 EMULATION COMMUNICATIONS ADAPTER ANNOUNCED FOR THE 5280 DISTRIBUTED DATA SYSTEM

A new special feature, 3270 Emulation Communications Adapter (#3270) provides communications adapter capability and support for the 5280—3270 Emulation (5708-EM1) licensed program. This feature performs the same functions as the existing 5280 Communications Adapter (#2500) and provides additional hardware function in support of 5280—3270 Emulation.

The feature can be installed on a 5285 Programmable Data Station and on a 5288 Programmable Control Unit. It is mutually exclusive with the 5280 Communications Adapter (#2500).

Deliveries
First Customer Shipment (FCS) is scheduled for June, 1981.

Existing orders of systems which are altered to add the new feature are subject to deferral.

MESs
MES orders for field installation will be accepted immediately. First Customer Shipments of MESs will be the same as the FCS date stated above.

Programming Support
The 3270 Emulation Communications Adapter supports the 5280 Communications Utilities (5708-DC1) and the new 5280—3270 Emulation (5708-EM1) licensed programs (see Programming Announcement P681-12).

RPQs
RPQs may be submitted immediately with response time (minimum 90 days) and delivery dependent upon complexity.

Educational Allowance
The Standard Educational Allowance (10%) applies.

Sales Compensation Plan
Normal provisions apply.

Sales Manual Pages
See attached interim *GSD Sales Manual* pages for prerequisites and limitations.

Note: See Marketing Announcement 681-6 for prices.

Filing Instructions—GSD Sales Manual

Remove	*File*
Volume 2 (Machines)	
- Machine Section	
April 80, #61	January 81,
pgs. M5285.1	(Interim Page) Vol 2
through M5288.6	pgs. M5285.1 through
	M5288.7

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