



5282 DUAL DATA STATION

Purpose

A dual, tabletop, auxiliary keyboard/display station for use in the 5280 Distributed Data System. Attaches to the 5285 Programmable Data Station, the 5286 Dual Programmable Data Station or the 5288 Programmable Control Unit. Diskette storage capability is available and is determined by model number.

Models:

MODEL	DISKETTE	
	NUMBER OF DRIVES	
	Diskette 1	Diskette 2D
Z00	0	0
Z01	1	0
Z02	2	0
Z05	0	1
Z06	1	1
Z10	0	2

Model Changes: Field Installable

Highlights

- Single, split-screen CRT display with two keyboards.
- Functions as 2 independent data stations.
- Attaches via cable(s) to a 5285 Programmable Data Station, a 5286 Dual Programmable Data Station or a 5288 Programmable Control Unit at a distance of up to 61m (200 ft).
- Obtains control, logic and main storage from the attaching 5285, 5286 or 5288.
- Each keyboard/display in a 5280 system operates independently and has identical access to system resources.
- Display sizes of 480 and 960 characters are available.
- Movable keyboards have palm rest for operator efficiency.
- Diskette storage capacity of .25M bytes to 2.4M bytes is available.
- Provides two operator positions, each with keyboard, diskette (optional) and display area.

Display: Display sizes available at each operator position are: 480 characters (6 lines of 80 characters) or 960 characters (12 lines of 80 characters). Both positions have the same display size. The display size is determined by the auxiliary data station attachment feature on the controlling device to which the 5282 is attached. See M5285, M5286 or M5288 "Special Features."

Display characters are presented within a 8x16 dot matrix. The standard, upper/lower case, 94-character EBCDIC character set, 94-character ASCII character set and the 185-character Multinational Character Set are included (see Type Catalog). The character set is user-selectable. Both operator positions must use the same character set.

Extended highlighting provides screen attributes such as reverse image, high intensity, blink, underline, nondisplay and column separator. Screen attributes are under program control and can be applied on a field basis. Brightness and contrast controls are provided. Each control affects both operator positions.

Keyboard: A choice of three keyboard types provides input flexibility to meet individual user requirements: data entry, data entry with proof arrangement and typewriter (see "Special Features" below). Both 5282 keyboards must be the same

type. See Type Catalog for keyboard layout. Each keyboard has cursor movement keys, special function keys, field exit keys and data keys (alphabetic and numeric). All data keys are typematic. The keyboards are movable and have a palm rest for operator comfort.

The keyboards contain only a subset of the characters in the Multinational Character Set. When the Multinational Character Set is used, the additional characters may be entered via multiple key sequence.

Typewriter keyboards provide for direct entry of upper and lowercase characters. Data entry keyboards provide direct entry of uppercase only. Lowercase characters may be entered via multiple key sequence.

Diskette: Two types of compact diskette drives are available for the 5282: a diskette drive which can read/write IBM diskette 1 and a diskette drive which can read/write IBM diskette 1, 2 and 2D. The number and types of drives are determined by 5282 model number. See M5285, M5286 or M5288 for diskette drive characteristics, capacities and diskette data exchange information. A cable is required, see "Accessories" below.

Security: A nondisplay input mode allows data to be entered from the keyboard without being displayed on the screen. A security keylock (special feature on the 5285, 5286 and 5288) prevents keyboard entry or display of data, and on a communicating 5285 or 5286 system, prevents initiation of communications. A Magnetic Stripe Reader (special feature) is available which may be used to enter user identification. This allows user program routines to audit and control operator access to data.

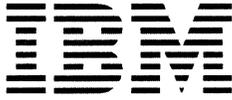
Customer Set-Up (CSU)

The 5282 is designated Customer Set-Up, and offers customers ease of setup and relocation flexibility. The Customer Set-Up Allowance is two days. For additional information on CSU, refer to the General Information (GI) section of the sales manual. One copy of *IBM 5280 User's Setup Procedures* (availability to be announced in a future PRL) is included with each 5282.

Customer Responsibility

The customer is responsible for:

- Adequate site, system and other vendor preparation.
- Providing a desk, counter or tabletop to support the 5282.
- Receipt, unpacking and placement of the 5282.
- Installation and maintenance of signal cables and associated parts for attaching the 5282 to a 5285, 5286 or 5288.
- Physical setup, switch setting and checkout in accordance with instructions from IBM.
- Using and following the 5280 problem determination procedures prior to calling for IBM service.
- Relocation of the 5282 if required to allow IBM service access.
- Notifying IBM of intent to relocate and following IBM instructions for relocation of the 5282.
- Disconnecting, packing and removal to the customer's shipping dock at the time of discontinuance. Removal instructions and packing materials (if required) will be ordered by the Branch Office.



- When adding a 5282 to a 5285, 5286 or 5288, the customer may have to modify the system configuration specifications. See *IBM 5280 System Control Programming Reference/Operation Manual* (availability to be announced in a future PRL).

Publications

IBM 5280 General Information, GA21-9350 and *IBM 5280 Planning and Site Preparation Guide*, GA21-9351.

Supplies

For IBM diskettes and magnetically striped and encoded identification cards, see *IRD Sales Manual*.

Prerequisites: The 5282 requires a 5285, 5286 or 5288 with appropriate auxiliary data station attachment (special feature). A cable is required. If the 5282 contains one or two diskette drives, the 5285, 5286 or 5288 requires an appropriate Remote Diskette Drive Attachment (special feature). See M5285, M5286 or M5288. *An additional cable is required if the 5282 contains one or two diskette drives.* See "Accessories" below.

Specify

- 1 Voltage (115V AC, 1-Phase, 60 Hz): #9881 for a standard nonlocking plug (uses customer standard type receptacle) or #9880 for a locking plug (requires customer locking type receptacle).
- 2 Two keyboards must be selected (see "Special Features").
- 3 Color: Pearl White only (no specify required).
- 4 Cables: See "Accessories" for 5282 cable information and ordering instructions. Specify #9050 if cable is ordered from IBM, #9055 if cable is ordered from another source.

Prices

See price list.

Purchase Considerations

- 1 The upgrade purchase prices for model changes may be greater than the purchase price differentials. The customer should carefully evaluate his future requirements when purchasing a system.
- 2 Replaced parts from any model change become the property of IBM.
- 3 Replaced parts from any Special Feature installation or removal remain the property of the customer.

NOTES

- 1 Device Attachments: Appropriate special features are required to attach auxiliary data stations (5281, 5282) and some I/O units to a 5285, 5286 or 5288 ... see M5285, M5286 or M5288 "Special Features."
- 2 For physical planning information, see *IBM 5280 Planning and Site Preparation Guide*, GA21-9351.

Special Features

Keyboard (#4600, #4601, #4602, #4603): Two of the following must be selected. Both must be the same type.

#4600: 83-key keyboard with the EBCDIC character set, typewriter-like layout, movable, with 49 alphameric keys, 24 function keys and 10-key numeric pad.

#4601: 66-key data entry style keyboard, movable, with 36 alphameric keys and 30 function keys.

#4602: 66-key data entry style keyboard with proof arrangement, movable, with 36 alphameric keys and 30 function keys. The numeric keys are arranged similar to those of an adding machine.

#4603: 83-key keyboard with ASCII character set, typewriter-like layout, movable, with 49 alphameric keys, 24 function keys and 10-key numeric pad.

Maximum: Two of the above. **Field Installable:** Yes.

Magnetic Stripe Reader (#4950): Provides the capability of reading numeric encoded information from a magnetic stripe on a wide range of credit cards, identification cards and documents. The magnetic stripe may be encoded with up to 128 ABA numeric characters, including control characters. This feature enhances system data security by providing the ability to read an operator identification card without being displayed. See *IRD Sales Manual* for magnetically striped and encoded identification cards. **Limitations:** Valid for numeric-only data. If only one Magnetic Stripe Reader is used with the 5282, it will be assigned to and can only be used in conjunction with the keyboard located on the side of the 5282 which has the power switch. **Prerequisite:** The 5285, 5286 or 5288 requires a Magnetic Stripe Reader Adapter/Elapsed Time Counter (special feature). **Maximum:** Two. **Field Installable:** Yes.

Accessories

Cables: Cables and/or associated parts to attach the 5282 to a 5285, 5286 or 5288 may be purchased from IBM or a customer-selected source. For cable specifications and assembly procedures, see *IBM 5280 Cable Assembly Manual* (availability to be announced in a future PRL). The customer is responsible for the installation and maintenance of these cables and their associated parts. Cable ship date should be scheduled so that cabling precedes the 5282 by at least four weeks. Cables and parts which may be purchased from IBM are shown below. Order via MSORDER (Category = Bulk Cable) on AAS. Specify bulk number, cable assembly number or part number as appropriate. Allow a lead time of 9 weeks.

Data Station Cable: Required to attach the 5282 to a 5285, 5286 or 5288.

Bulk #7364108 Data Station Wire—order must specify the desired length. Maximum length is 61m (200 ft). Data Station Wire and one Wire Connector Kit are required for each attachment cable.

Part #4177800 Wire Connector Kit—includes two connectors and associated hardware. One connector kit and Data Station Wire are required for each attachment cable.

Assembly #7364212 Data Station Cable Assembly—includes a connector kit (two connectors) attached to bulk wire. The required length of wire must be specified on the order. Maximum length is 61m (200 ft).

Diskette Drive Cable: A single cable is required to attach either one or two diskette drives housed within the 5282 to a 5285, 5286 or 5288.

Bulk #7364109 Diskette Drive Wire—order must specify the desired length. Maximum length is 61m (200 ft). Diskette Drive Wire and one Wire Connector Kit are required for each attachment cable.

Part #4177800 Wire Connector Kit—includes two connectors and associated hardware. One connector kit and Diskette Drive Wire are required for each attachment cable.



Assembly #7364208 Diskette Drive Cable Assembly—includes a connector kit (two connectors) attached to bulk wire. The required length of wire must be specified on the order. Maximum length is 61m (200 ft).

MES Orders

For this machine, the "Ship-To" portion of the MES is to be completed exactly as follows:

IBM Customer Engineer
c/o (Name of Company)
(Street Address)
(City, State, Zip Code)

On MES form, check "yes" under "IBM Confidential Documents Required."