

IBM
System/34...

Equipment and
Programs

QUANTITY	GENERAL SHIPPER'S D/O	ITEM	DESCRIPTION	PRICE	AMOUNT
70021	25				
70021	3	22/51	BASEBALL BATS	14.99	524.65
70021	3	2102	BATTING HELMETS	7.50	22.50
					547.15

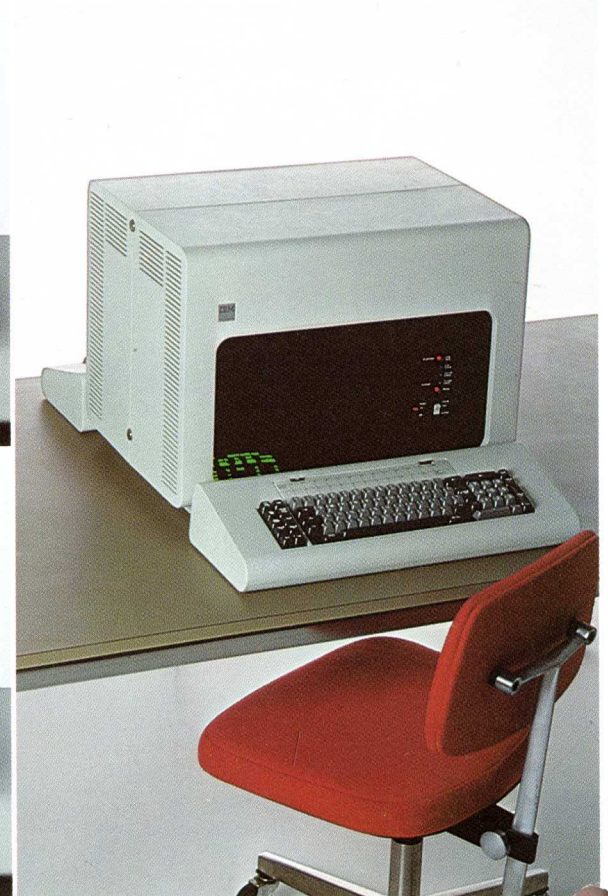
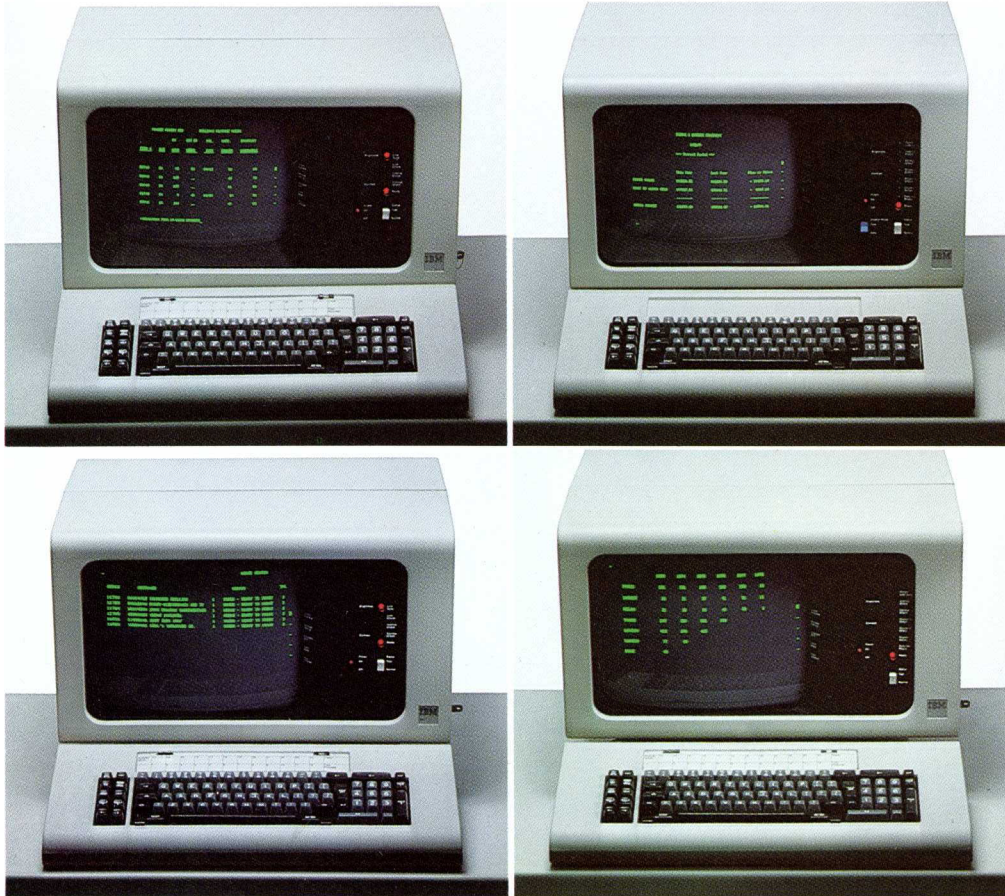


IBM System/34 Equipment

Brings up-to-the-minute information throughout your organization with a combination of desktop display stations and printers plus a powerful system unit.

IBM 5251 and 5252 Display Stations

- Five models: Directly attached or remote 960-character screen; directly attached or remote 1,920-character screen; directly attached dual 960-character screens.
 - One directly attached station required as system console within 20 feet of System Unit
 - Can be directly attached up to 5,000 cable feet from the System Unit or the remote models of the 5251
 - Large, easy-to-read screen
- Upper and lower case
 - Program-controlled display features for easy operation
 - Familiar, typewriter-like keyboard
 - Remote models have optional cluster features for direct attachment of up to eight work stations.



IBM System/34 Programs

Helping you use the System/34 in a multiple user environment.

System Support Program

- Maintains and enhances ease-of-use features available with the System/32
- Allows multiple display stations and printers to operate concurrently
- Allows menu selection of jobs
- Permits two-way communication between multiple operators and the System/34
- Supports remote display stations and printers on communication lines
- Spooling optimizes print capability of all the printers
- Password security lets you decide who may have access to your system, programs and files.

System/34 languages

- Report Program Generator II, source compatible with System/32 RPG II, enhanced to support multiple display stations
- FORTRAN IV, source-compatible with System/32 FORTRAN IV, enhanced with interspersed diagnostics to facilitate changes to source programs at the display station
- Basic Assembler, available for unusual programming requirements.

System/34 utilities

- Work Station Utility (WSU) specifically designed to support display stations used for interactive data entry
- Data File Utility (DFU) permits creation and use of files without having to know a programming language
- Source Entry Utility (SEU) provides for direct entry into the system of OCL procedures, display format specifications and source statements for RPG II, Fortran IV, Assembler, Sort, Screen Design Aid and Work Station Utility
- Sort Program (SORT) for sequencing and selecting records
- Screen Design Aid (SDA) for interactive screen format design and generation.

Data communications

- System Network Architecture (SNA) using Synchronous Data Link Control (SDLC). Appropriate Program Products allow communication with the System/370 (RJE to POWER/VS, OS/VS-RES, JES2 and SNA Assembler macros for IMS/VS, CICS/VS) and with the 5251 remote display stations
- Binary Synchronous Communication. System/34 RPG II and Assembler provide binary synchronous communications.

Multileaving Remote Job Entry (MRJE) enables submission of jobs to a central System/370 where processing is performed under control of: HASP II (OS/VS2), ASP (OS/VS2), RES (OS/VS1), and JES2 or JES3 (OS/VS2).

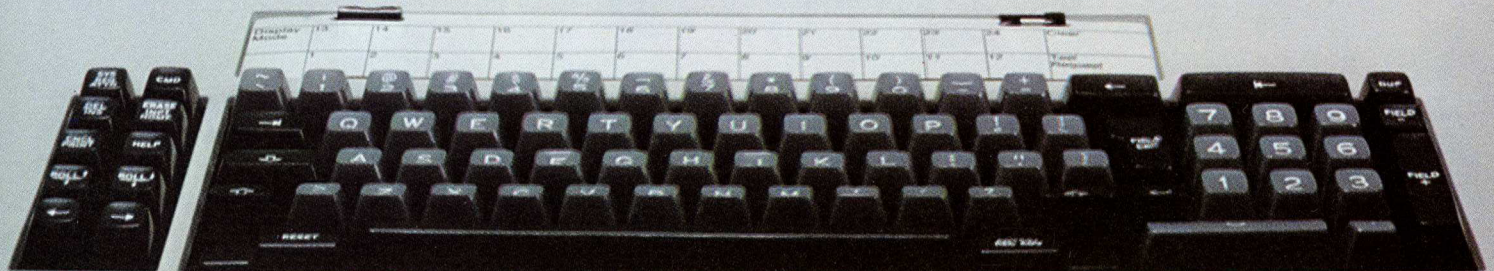
The System/34 MRJE program will also operate with VM/370 Remote Spooling Communication Subsystem (RSCS) as a HASP work station.

Underscore

Vertical lines

Upper and lower case

Highlight significant data with high intensity or reverse image



Typewriter-like keyboard

Dual-purpose function keys

Ten-key numeric pad

IBM 5256 Printer

- Multiple tabletop printers can be directly attached up to 5,000 feet from the IBM 5340 System Unit or a remote model of the IBM 5251 display station
- Prints in two directions allowing efficient production of documents.

IBM 5211 Printer

- Attractive, quiet, standalone enclosure
- Available in two speeds—160 or 300 lines per minute (lpm) with 48-character set
- 38-, 42-, 48-, 64-, and 96-character sets.

IBM 5340 System Unit with the System Support Program Product

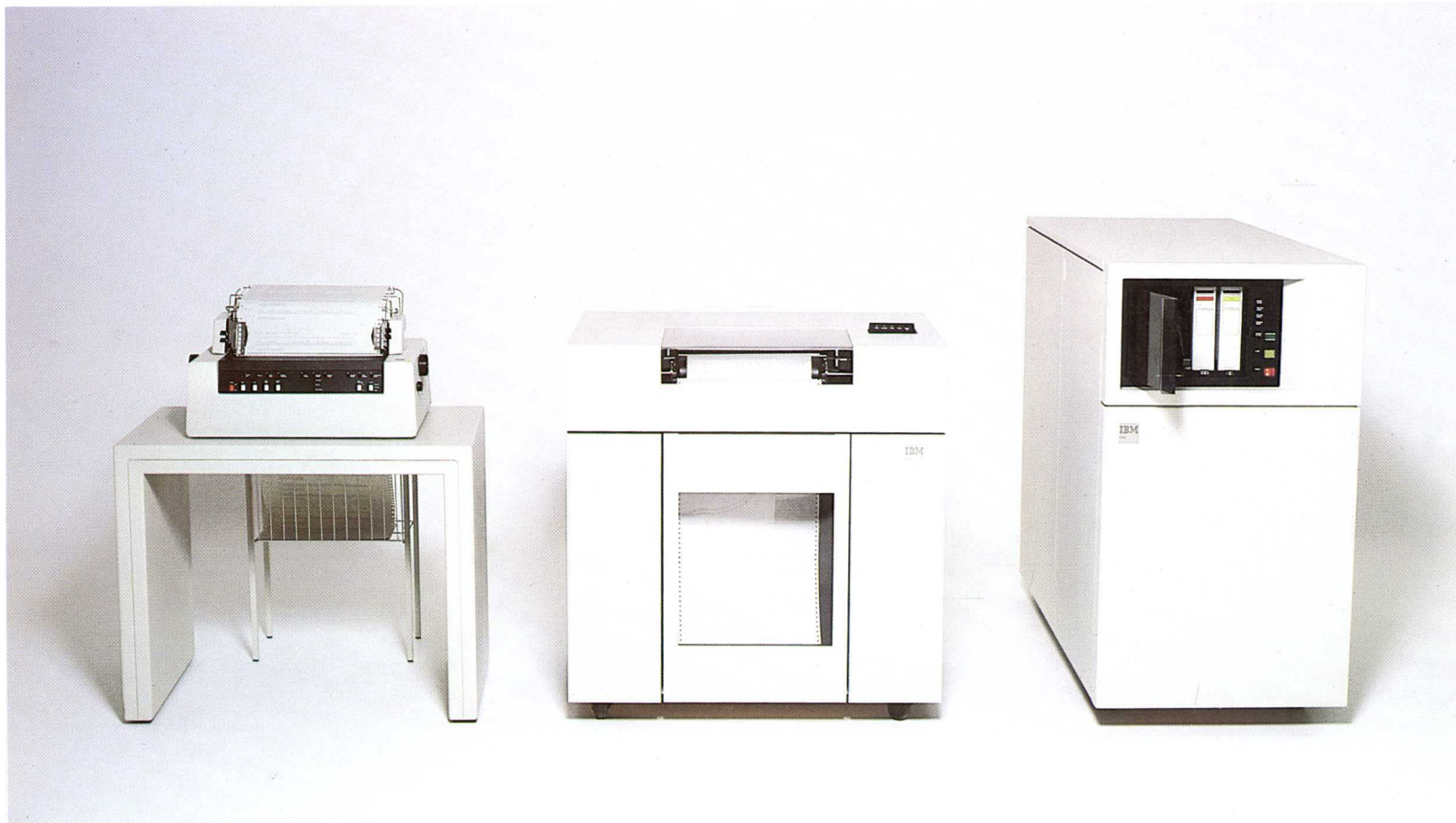
- Contains a high-performance programmable central processor which can perform multiple jobs at the same time
- Checks data for reasonability
- Sorts information into categories for analysis
- Performs complex calculations
- Handles exceptions to your normal business procedures.

Diskette storage

- For convenient saving and restoring of information
- Low cost, reusable data storage
- Available in two capacities
- Allows fast copying of data files for off-site storage and protection against hazards
- Single or magazine diskette drive.

Disk storage

- Stores key business data such as inventory records, customer names and addresses
- Multiple capacities available to keep most information files constantly online
- Provides fast access to stored information
- One or two drives.



IBM System/34

5340 System Unit

Processing unit capacity:
32,768 (32K) bytes (characters) of main storage
49,152 (48K) bytes
65,536 (64K) bytes
98,304 (96K) bytes
131,072 (128K) bytes
Main storage cycle time: 600 nanoseconds

Disk storage

8.6 million bytes (characters)
13.2 million bytes
27.1 million bytes (2 drives)
Transfers data at 889,000 bytes per second
63.9 million bytes
128.4 million bytes (2 drives)
Transfers data at 1,031,000 bytes per second

Diskette input/output

Diskette 1 (one-sided recording) can store up to 303,000 bytes of data.

Diskette 2D (two-sided double-density recording) can store up to 1.2 million bytes of data. Diskette 2D drive can read or write Diskette 1.

Magazine diskette drive includes three slots for single diskettes and two slots for magazines, each holding up to 10 individual diskettes.

Magnetic character input

IBM 1255 Magnetic Character Reader reads and sorts MICR documents.

Up to 500 documents per minute in six stackers.

Up to 750 documents per minute in either 6 or 12 stackers.

5256 Printer

Six or eight lines per inch vertically. 132-print-position matrix printer. Upper/lower case 96-character set. Prints 40, 80 or 120 characters per second.

5211 Printer

Six or eight lines per inch vertically. 132-print-position line printer. Automatic vertical and horizontal spacing under program control.

Technical Summary

5251 and 5252 Display Stations

Display attributes include normal or bright intensity, nondisplay, blinking, underscore, column separator and reverse image.

User-defined formatting under program control.

Familiar typewriter-like keyboard.

Ten-key adding machine pad. 24 command functions available through dual-purpose typewriter keys.

Movable keyboard.

Five models available: Directly attached or remote single display station (960 or 1,920 characters); directly attached dual display station (960 characters).

Choice of attachments: Direct via cable to System Unit or to remote display station and via communication line and adapter.

Configuration flexibility

- Memory range of 32K to 128K bytes
- One system printer
- Multiple matrix printers
- One or two disk drives for up to 128 million bytes
- 1255 MICR reader
- Up to eight directly attached work stations
- Up to 64 work stations addressed over communication lines
- One or two communication adapters
- Single or magazine diskette drive.

Data communications

Up to 64 work stations (5251 and 5252 Display Stations and 5256 Printers) can be addressed by System/34.

Two communications adapters, in conjunction with stored program control, permit System/34 to function over switched or nonswitched communication lines. Each adapter can be either BSC or SDLC; the line protocol is selected at program load time. Maximum aggregate transmission rate with both adapters operating concurrently is 9600 bps. Point-to-point or multipoint. Overlapped operation with all other I/O devices and processing.

Integrated modems (1200 bps or 2400 bps or EIA interface).

Data-Phone® Digital Services Adapter, an integrated modem which provides for connection to AT&T nonswitched Data-Phone® digital data service (available in the U.S. only).

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The display screens in this brochure are intended to serve only as examples. Any similarities to actual names of individuals, companies, brands and non-IBM

The IBM System/34, its features and application programming, are separately priced.

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