Xerox 860 Information Processing System

Now, information processing can be accomplished effectively by a single multifunctional system. Xerox announces the new Xerox 860 Information Processing System. Unlike previous Xerox office products, the 860 makes use of software application programs that can be read into the system's memory from prerecorded floppy discs. In effect, the operation of the equipment can be altered and its functions extended according to the kinds of software application programs that are read from the floppy discs and executed by the microprocessor. Software programs include those provided by Xerox and those that may be prepared by the users for special applications.

The basic Xerox 860 Information Processing System pricing includes the operating system software and text processing application software. The operating system and text processing software are read into the 860 memory from a prerecorded disc. Text processing software along with the optional software application packages described below extend the capability of the 860 system.

Optional software application packages are: Records Processing, System Activity Recording and a BASIC Language Interpreter. These options and the standard text program are described as follows:

Text Processing

Functions made possible by the text processing application software can be considered as enhancements to the text processing features offered by the Xerox 850 Page Display System.

Master format—allows the operator to change and define the default format parameters for documents to be created, depending upon application needs.

Format scale—displays a format scale at any point within the document to simplify

Direct print—records keyboard strokes on the screen and on paper at the same time.

Off-screen functions—operations such as reformatting, page numbers, searching and global searching and replacing are handled automatically without requiring operator decisions.

Functional boundary—allows single operation movement or copying of text that starts on one page and ends on any page within the same document.

Records Processing

This optional software application package, which includes four simple mathematical functions, provides the operator with a means of creating, updating, manipulating and printing records.

Updating includes adding or deleting records, moving records from one file to another, adding new fields to records within a file and selectively updating fields within a record.

For manipulating records, the system can select by combinations of criteria, such as: greater than, less than, equal to, greater than or equal to, etc. Sorting within a file can be done on records in ascending order or descending order. Processed records can then be printed, displayed or stored with a variety of choices in merging or other rearranging.

System Activity Recording

Two kinds of information are provided by this optional software application package: system activity, to keep track of operator performance; and document history, to be used in establishing chargebacks to departments or originators.

Some examples of the kinds of information that are accumulated are: operator identification, department or author, document title, date and time log, elapsed time and number

commands facilitate the development of programs. Programs created by the user can be stored on disc and recalled for later execution. Documents created using BASIC language programs can be acted upon with any of the earlier-mentioned application packages.

Disc Drives

The Xerox 860 IPS offers multiple disc drive options to increase the storage capacity of systems that handle long documents and extensive records files. As needs and applications grow, any 860 disc drive can be changed for a higher storage disc drive—a simple, economical way to compound the system's value.

Wide Carriage Printer

The 860 IPS is available with a Wide Carriage Printer for easy handling of widespread sheets. The printer allows up to 28-inch forms accommodating a maximum writing line of 26.4 inches: 264 characters at 10 pitch and 316 characters at 12 pitch.

Peripherals

To improve the functionality of the Xerox 860 Information Processing System, these accessories are available: Shared Printer Interface and Automatic Paper Feeder.

Communications Accessory

The 860 Communications Accessory provides the capability of connecting the Xerox 860 with suitably configured 860's, computers, or the 860 with the Xerox 850 Display Typing System and some other word processors. The Communications Accessory transmits and receives information over telephone and other voice grade networks at speeds ranging from 10 to 600 characters per second.

The communications accessory is highly

format changes.

Character and line count — both counts are displayed in the command line. When this is used in conjunction with the format scale, format changes are simplified by eliminating guesswork.

Priority print — when the operator requests priority printing, the current printing operation stops at the end of the page being printed; the priority document is produced; and the printer resumes the previous job at the proper point.

Horizontal scroll — allows the operator to request automatic scrolling in any 10-character segment, from 10 to 100.

of lines produced.

For users with both System Activity Recording and Records Processing packages, the system can be used to generate billing.
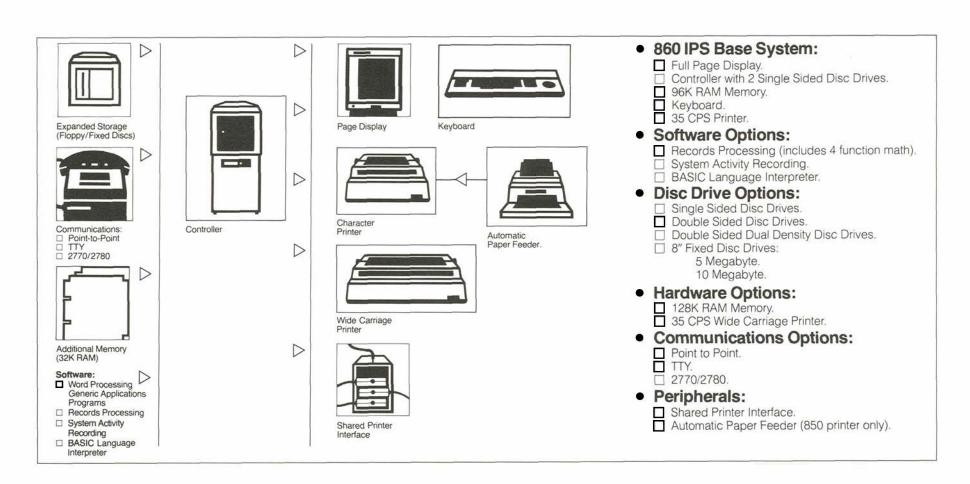
BASIC Language Interpreter

The primary purpose of this optional software package is to allow customers to use customized application programs, as well as those offered by Xerox. These could be written by programmers on the user's staff.

BASIC is a business-oriented interactive language designed to handle business applications. Simple statements and operator

useful for gathering or distributing time vital information, and for developing multifunctional requirements as office needs grow. The 860 communications modes are sold or leased separately.

Designed for exceptional flexibility, the easy-to-operate 860 IPS can handle a multitude of word processing and data processing functions, and can be easily expanded as needs and applications grow.

The Xerox 860 IPS will help you achieve greater efficiency, productivity and economy — benefits that make the 860 Information Processing System the right choice for so many businesses today.

Expanded Storage
(Floppy/Fixed Discs)

Communications:
☐ Point-to-Point
☐ TTY
☐ 2770/2780

Controller

Additional Memory
(32K RAM)

Software:
☐ Word Processing
Generic Applications
Programs
☐ Records Processing
☐ System Activity
Recording
☐ BASIC Language
Interpreter

Page Display   Keyboard

Character
Printer

Automatic
Paper Feeder.

Wide Carriage
Printer

Shared Printer
Interface

- **860 IPS Base System:**
  ☐ Full Page Display.
  ☐ Controller with 2 Single Sided Disc Drives.
  ☐ 96K RAM Memory.
  ☐ Keyboard.
  ☐ 35 CPS Printer.
- **Software Options:**
  ☐ Records Processing (includes 4 function math).
  ☐ System Activity Recording.
  ☐ BASIC Language Interpreter.
- **Disc Drive Options:**
  ☐ Single Sided Disc Drives.
  ☐ Double Sided Disc Drives.
  ☐ Double Sided Dual Density Disc Drives.
  ☐ 8" Fixed Disc Drives:
     5 Megabyte.
     10 Megabyte.
- **Hardware Options:**
  ☐ 128K RAM Memory.
  ☐ 35 CPS Wide Carriage Printer.
- **Communications Options:**
  ☐ Point to Point.
  ☐ TTY.
  ☐ 2770/2780.
- **Peripherals:**
  ☐ Shared Printer Interface.
  ☐ Automatic Paper Feeder (850 printer only).

Specifications

Display Screen: 66 lines, 102 characters per line displayed black on white background or vice-versa. Has brightness control and can be tilted 25°.

Keyboard: Separate unit from Display Screen.

Printer Speed: Up to 35 characters per second, bi-directional.

Writing Line:	13" Standard
	26.4" Wide Carriage
Platen:	15" Standard
	28" Wide Carriage
Ribbon Cartridges:	Interchangeable film or fabric.

Size & Weight:

Display Screen:	Height 18", Width 14", Depth 15.5", Weight 50 lbs.
Keyboard:	Height 4", Width 24", Depth 9", Weight 14 lbs.
Controller:	Height 30", Width 12", Depth 28", Weight 175 lbs.
Standard Printer:	Height 9.5", Width 24", Depth 17.5", Weight 55 lbs.
Wide Carriage Printer:	Height 10.5", Width 38", Depth 18" Weight 65 lbs.

Disc Storage Capacity:

8" Floppy:
- 300 K characters approx.
- 600 K characters approx.
- 1.2 MB approx.

8" Fixed:
- 5 MB capacity approx.
- 10 MB capacity approx.

Electrical Requirements:

Voltage:	103-127 VAC single phase (two wires plus ground)
Frequency:	59-61 Hz
Current:	One Page Display System (controller, page display, keyboard and printer) can be connected to one 15 amp circuit.

Environmental (Operating):

Ambient temperature:	50°F to 90°F.
Relative Humidity:	15% to 85% with maximum wet bulb temperature of 78°F.