WORD PROCESSING
HARDWARE

DEC WORDSYSTEM 100 Hardware

FEATURES

- PDP-8/A central processor, with 16K words memory, to control system operation
- Dual floppy-disk drives
- Quickly removable flexible diskettes (floppy disks) with text and program storage capacity of 335,000 characters per diskette.
- DECscope CRT terminal for easy visual text editing
- Fast, letter quality printer—45 characters-per-second output

THE SYSTEM

The DEC WORDSYSTEM 100 is a disk-based word processing computer system, in addition to a remote intelligent timesharing terminal. The WS100 memory is 32,000 characters of high speed core storage and 670,000 characters of floppy disk based file storage. Average access time to any record in the system file is one-half second.

The system supports RX01 dual floppy disk drives. A dedicated, stand-alone system, the WORDSYSTEM 100 solves word processing problems for a variety of institution's, including hospitals, travel agencies, banks, advertising agencies, real estate companies, and law offices. Using the word processing capabilities of the system, users can prepare lengthy reports, produce contracts and other documents, print personalized form letters, and transmit documents to other systems.

VT52W DECscope VIDEO DISPLAY TERMINAL

The VT52W video display terminal is the link between the user and the computer. With the easy-to-learn keyboard, users can perform a variety of text editing functions. Text appears instantaneously and can be deleted, added, moved, or duplicated through the use of specially labeled editing keys and function keys. Sentences, paragraphs, and columns of data can be quickly modified through insertion and deletion by character, word, or grammatical entry.

Features:

- 24 lines by 80 upper-and-lower-case characters (1920 characters total) per screen display
- easy-to-learn, typewriter-style keyboard with color-coded word processing key labels
- 19 auxiliary keys for editing or duplicating text
- output to letter-quality hard-copy printer
- sharp, easy-to-read display

LQP-8E TYPEWRITER-QUALITY PRINTER

This letter quality printer operates at speeds of up to 45 characters per second (about 400 words per minute) and can handle medium-scale jobs requiring about 70 printing hours per month. Copy is as clear and readable as that of a fine-quality typewriter. Output is on single sheet or continuous paper as well as mailing labels, envelopes, or preprinted forms.
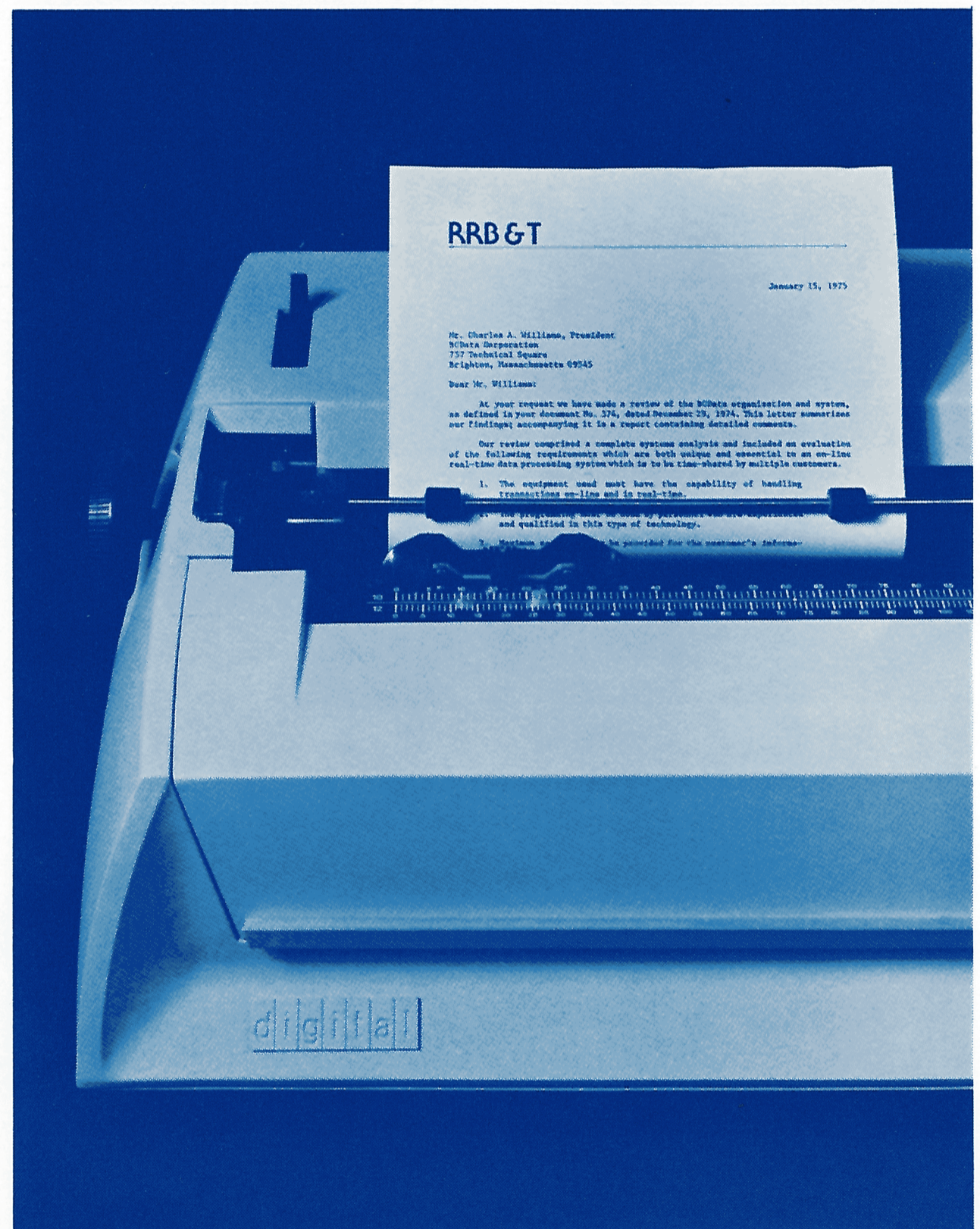
OX-PLOW PRINTING

Ox-plow printing minimizes printer latencies and increases printing speed by as much as 15% over conventional methods. Alternate lines are printed backwards when the preceding line ends near the right margin. Tabular material is output faster because the print head slews at high speed when jumping between columns. No time is spent "printing" spaces.

VARIABLE PITCH AND SPACING

Horizontal and vertical positioning are highly accurate: horizontal, to 1/120th of an inch; vertical, to 1/48th of an inch. Line and character spacings can be varied automatically and are remembered with each document. Margin justification through line expansion can be varied within a document and is accurate to 1/120th of an inch.

THE PLATEN

The friction feed platen with a forms tractor can accept up to 6-part forms and adjust to paper widths 1¾" to 15" inclusive. A pin-feed platen is optional.

UNIFORM PRINTING

The print hammer strikes the type wheel with a force that automatically adjusts to the size of the character being typed. Periods are struck lightly to produce uniform printing, even on the sixth carbon. Six different hammer intensities are used.

INTERCHANGEABLE "DAISY WHEELS"

Several different "daisy wheels" are available for production of finished copy in a variety of popular type fonts. Type fonts can be changed in 30 seconds or less.

EFFICIENT PRINTING OPERATIONS

The letter-quality printer operates independently from the word processing editor. At the same time that one file is being printed, another can be edited. Printer jobs can be queued for continuous unattended processing. Each job to be printed will be output in a format that is remembered with the document.

Ribbon changes are easy. An end-of-ribbon sensor stops the printer when it is time to change ribbons. Ribbon cartridges can be snapped in and out in seconds. A pause button can also be used to stop the printer any time it is necessary.

WPS-8/RCP COMMUNICATIONS PACKAGE

With this optional package; including software and the necessary hardware interface, a WS100 system can communicate with a variety of remote computer systems. Documents can be sent at 30 characters per second over standard telephone lines to a remote timesharing system or to another PDP-8 running WPS-8/RCP. When used in conjunction with a TOPS-10 or RSTS timesharing system, WPS-8/RCP allows off-line data entry and verification, as well as editing, printing, and review of text. The final product can then be sent to the host computer for processing.

THREE WAYS OF ORDERING WPS-8

- Dedicated word processor—DEC WS100

For those needing only a dedicated, word processing system, the WS100 Word Processor offers all the WPS-8 capabilities in a stand-alone unit. The WS100 includes a PDP-8/A computer with 16K words of core memory, dual RX01 floppy disk drives, a VT52W visual display terminal, an LQP-8E printer, all cable and interfaces, and a starter kit of supplies. The WS100-AA includes the same items as WS100-BA plus the WPS-8/RCP communications option.

- Complete business and word processor—DEC DATASYSTEM 310W

WPS-8 may be ordered as an added capability on DIGITAL's popular small business computer— Datasystem 310. Refer to appropriate DS-310 literature for ordering information.

- Add-on to existing DEC DATASYSTEM 310

If you already have a Datasystem 310 and want to add complete WPS-8 text editing capability, a special hardware/software upgrade package is available.

SPECIFICATIONS
LQP-8E Printer

Power Requirements	115 Vac, 60 Hz; 230 Vac, 50 Hz
Operating Temperature	+45°F to +105°F
Non-Operating Temperature	−20°F to +135°F
Humidity (Operating)	10% to 80%
Humidity (Non-Operating)	0% to 90%
Duty Cycle	Up to 70 printing hours per month or 10,000,000 characters per month
Weight: Dimensions (With Stand):	100 lbs. 35¾" wide x 23¾" deep x 36" high

VT52 CRT Terminal

Temperature	65° to 75°F (18° to 24°C) recommended
Relative Humidity	40% to 60% recommended
Power Requirements	North America-115V, 60 Hz, single phase, 15A 3-pronged connector NEMA 5-15P; International—230V, 50 Hz, single phase, 15A 3-pronged connector NEMA 6-15P
System Dimensions	(width x depth x height) Desk: 48 x 30 x 30 in. (121.9 x 76.2 x 76.2 cm.)
Weight	Desk: 400 lb. (181 kg.)
Access Required	Allow 60 inches in front of the desk for operator space (operator space or aisle can be utilized for desk roll-out for a 40-inch back-panel maintenance access)
Amount of Heat Generated	Basic system: 1700 BTU/hr.
Power Requirements for WS100	115V, 60 Hz, 15A

NEED ADDITIONAL INFORMATION?

Questions about WS100 should be directed to your nearest DIGITAL field office.

screen cursor edit
auto CR LF for word exceeding margin

digital