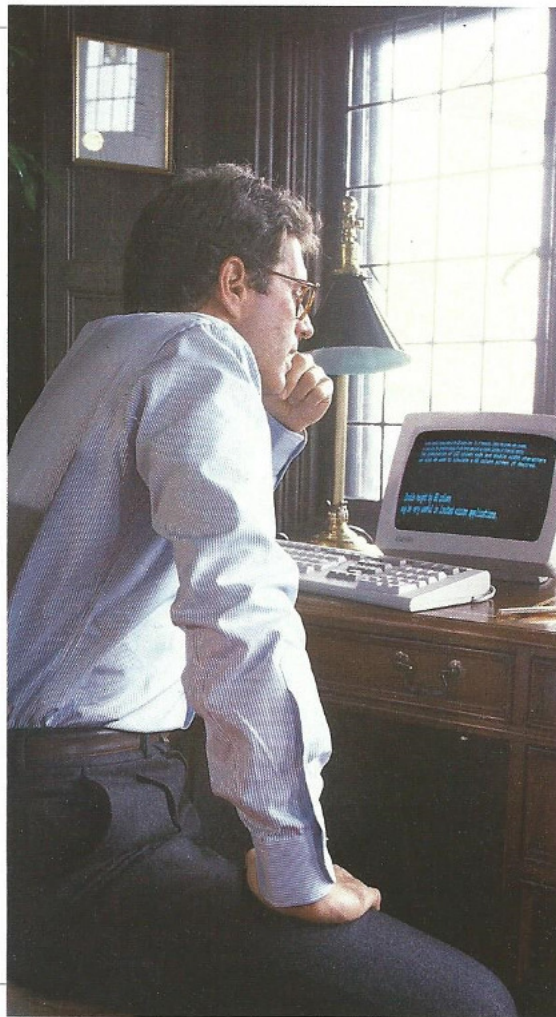
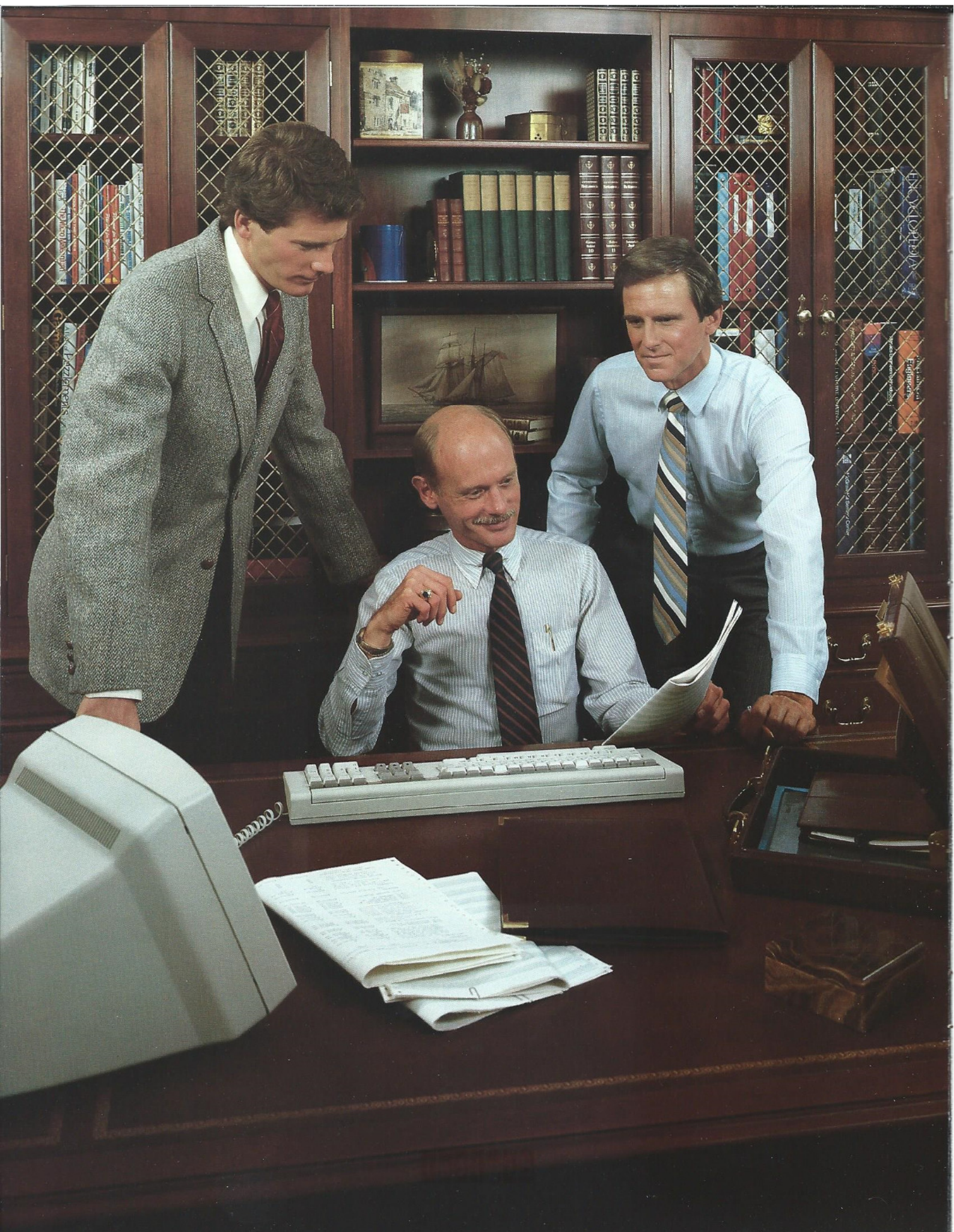


RAINBOW 100
IS ALL YOU NEED



THE PERSONAL COMPUTER
FOR INDIVIDUAL PRODUCTIVITY

digital



Work your way, with Rainbow 100

Planning, writing, organizing, communicating. When you work successfully, you do them all. Whether you manage, consult, research or run a business, you need to work fast with words and numbers. Because it's results that count.

Now there is a personal computing system designed for work. It's a complete system that combines the highest quality computer hardware with the finest industry standard software. It's well-engineered, fully-supported, and easy to use. This system is called the Rainbow™ 100 personal computer. And it comes from Digital.

KEEP IT SIMPLE

Rainbow 100 was designed, simply, to save you time. Do all the calculations for a year's financial plans in a matter of hours. Write memos or notes in minutes — and print them in seconds.

Rainbow 100 lets you combine results and save even more time. Write text into your spreadsheets. Or add spreadsheets to written reports. Consolidate several sets of plans. Then print all of the material on one sheet of paper.

Rainbow 100 saves time again, as a full-function computer terminal. In an instant, you can get information from a large computer system or an information service. The Rainbow also handles special jobs — managing projects, projecting costs, or simply keeping track of your time.

THE NEW INDUSTRY STANDARD

With Rainbow 100, you get more than a complete computing system. Digital gave it an eye for the future. With Rainbow's unique CP/M™-86/80 operating system, you can use today's best 8-bit software. And tomorrow's advanced 16-bit software. On the same computing system. With no risk to your personal investment. The Rainbow 100 is the 16-bit personal computer that lets you span two computer generations and work equally well in both.

What's more, with its unique "soft-sense" feature, the Rainbow 100 determines whether the software is 8 or 16-bit, chooses the right processor, and runs it automatically. So you can get to work.

DIGITAL SUPPORTS YOU

If Rainbow 100 sounds like a better personal computer, it is. Digital Equipment Corporation, the leading name in minicomputers, designed Rainbow 100 to work the way you want to. Faster, simpler, more productively.

We get you started with selected software that's easy to learn. And as you use Rainbow 100, Digital's support continues — with on-site or carry-in service, with easily understood manuals, with a



help line to answer your questions, and a lot more. Isn't it time you got a closer view of the Rainbow? You'll find it's everything you need in a personal computing system.

Forecast, plan, and analyze with Rainbow 100

Whatever your profession, Rainbow 100 helps you solve problems. If you are a marketing or sales manager, use the Rainbow to analyze advertising returns or price sensitivity. If you manage a manufacturing operation, Rainbow 100 can forecast work center output or end-of-year estimates. If you're a financial manager, Rainbow can perform break-even analysis, cash flow, and net present value analysis. Whatever work you do with numbers, Rainbow can help you do it more quickly, more accurately, more comprehensively.

Digital's Rainbow 100 utilizes Microsoft's MULTIPLAN™, a state-of-the-art program that takes spreadsheet calculations far beyond the single-plan stage. What's more, MULTIPLAN was created to work your way, with prompting phrases at every step and full explanations for more help.

SEE THE TOTAL PICTURE

MULTIPLAN and Rainbow 100 give you the big picture. Using Rainbow's full 132 column display, MULTIPLAN lets you see an entire 12 month cash flow projection—with a 13th column for totals. And Rainbow 100 gives you an eight "window" display to view information from various parts of the plan. You can do easy comparisons without losing your place.

CALL IT AS YOU SEE IT

Another clear advantage of MULTIPLAN is that you can call any value or formula precisely by name—"unit cost," "cost of sales," "interest rate," "depreciation." So when you want to use a value or formula just type its name. Figuring becomes more natural, more flexible, more your own.

RAINBOW FOLLOWS ORDERS

It's called a "natural order of calculation." That means you can work in any order that makes sense. You are not restricted by the placement of values on the plan or the sequence in which they were entered. When you add or change a value in a given location, all other values are modified automatically. If you want to add a whole new row right in the middle of the plan, recalculation is automatic as well. With these features, you are ready to make as many forecasts and projections as you need to test alternatives, without having to recreate the plan from scratch.

MULTIPLAN is a trademark of Microsoft, Inc.

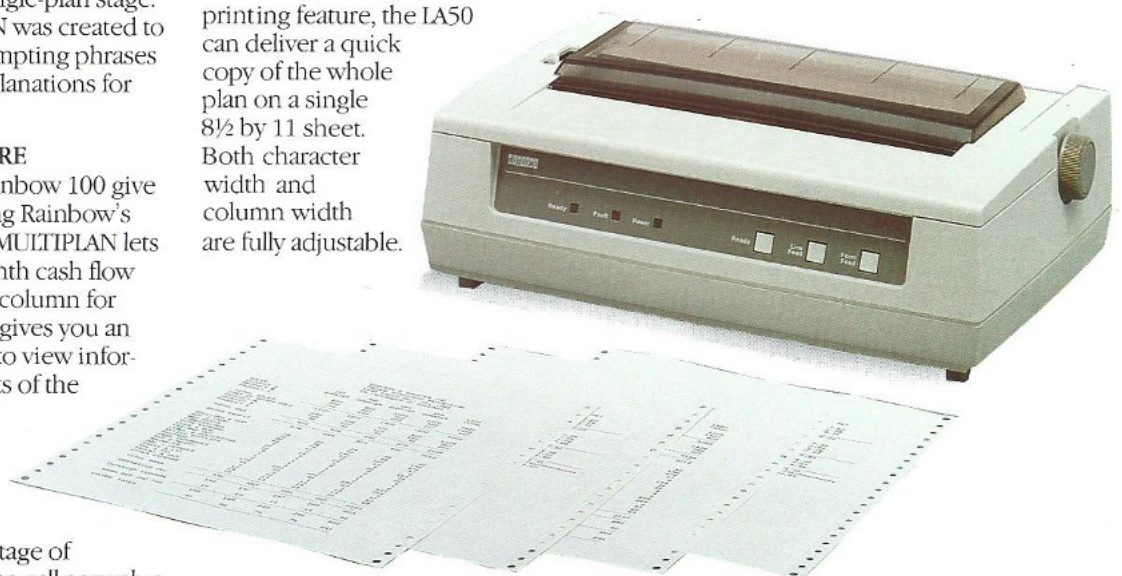
MERGE PLANS

You can even work with related spreadsheets, calling previously defined information into your current display. So composite plans can be created easily. Whether the plans are all yours or those from other departments, Rainbow 100 and MULTIPLAN let you work with more information, more effectively.

HARD COPY THAT'S EASY

When you're ready to print a plan or model, you have a choice of printers equal to it—Digital's low-cost Personal Printer, the LA50, and the versatile Letterprinter 100 (LA100).

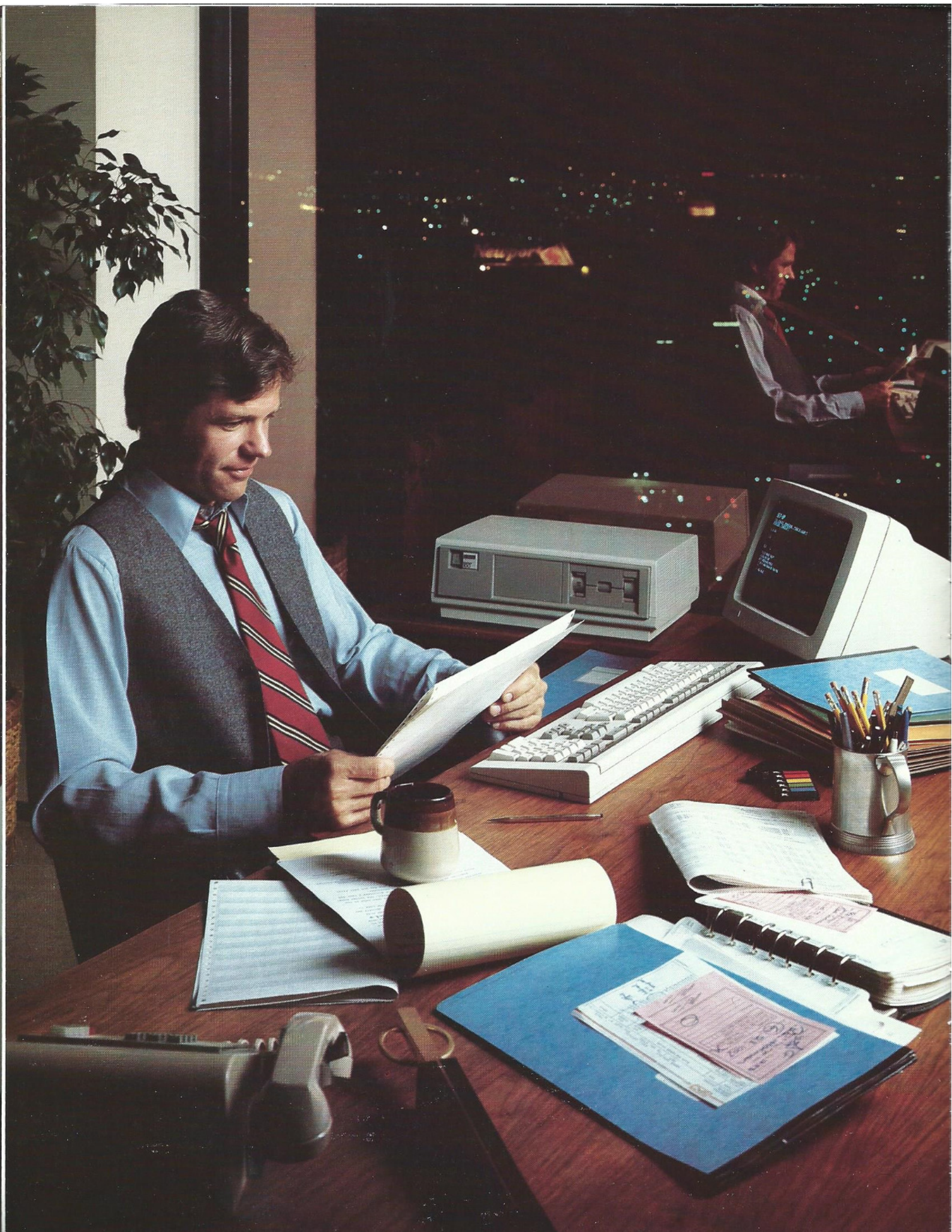
Even if the plan is a full 132 characters across, with the condensed printing feature, the LA50 can deliver a quick copy of the whole plan on a single 8½ by 11 sheet. Both character width and column width are fully adjustable.



The LA50 prints a fast 100 characters per second and an enhanced 50 character per second mode for increased readability.

The Letterprinter 100 gives you all the features of the LA50 and more. With selectable type fonts, line spacing, and forms settings, you can create financial documents suitable for presentation. The commercial quality Letterprinter 100 accommodates standard 14 inch spreadsheet paper, fan-fold, rollpaper or multipart forms. If you want copies fast, a draft mode produces them at 240 characters per second. With either the LA50 or Letterprinter 100 you have a choice of print speed.





Write, edit, and print with Rainbow 100

The written word is essential to professional work. Think of the number of memos, reports, proposals, agendas, and reviews that you have to produce. Often it's a quick response to messages or a report that needs your concentrated thinking. Rainbow 100 gives you a way to put words together that's both fast and easy.

With SELECT™, Rainbow 100 delivers an excellent personal word processing system for professionals who can't spare a day to learn it.

SIT BACK AND LEARN

All it takes is 90 minutes. And Rainbow 100 will teach you step-by-step right from the screen. Just press "T" on the Rainbow 100 keyboard. The lesson sequence takes you through each function and gives you time to practice it. No complex manuals or lengthy courses. SELECT gets you started immediately.



WRITE AS YOU THINK

With SELECT, you write the document as you think. And modify your wording as you see it displayed. Sentences can be rearranged, added, or deleted. Working this way, you get a close-to-final version on your first draft. SELECT's simple single-letter editing commands are always in front of you as you work. And, if at any time you forget a procedure, press HELP, and an explanation is provided.

RAINBOW CHECKS YOUR SPELLING

Then SELECT proofreads your document. With its built-in dictionary, the program locates common misspellings and letter inversions throughout the text. You can add your own often-used technical and professional terms to the dictionary—making Rainbow 100 a more personal tool.

COMBINE WORDS WITH NUMBERS

You may want to insert a plan into your report. Or reference a spreadsheet detail in a quick memo. You can even annotate your projections, if you wish. Because SELECT works with MULTI-PLAN, combinations are possible.

MERGE-PRINT AND MORE

Rainbow 100 gives you more. Address a memo to a list of professional colleagues—and include a personal note to each. SELECT will insert the right message with the name and salutation.

Rainbow and SELECT give features not available in other word pro-

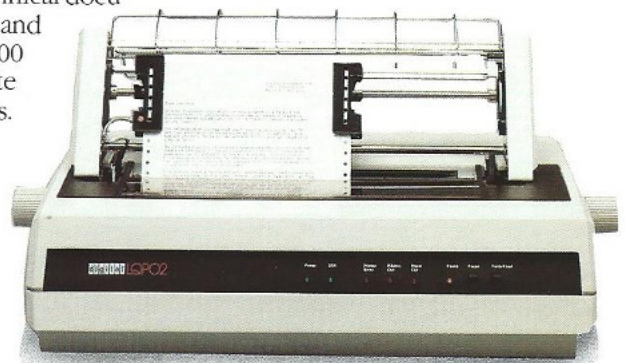


For fast output or high production, the LA100 prints 240 characters per second of clear dot matrix text. The same machine delivers office quality printing in a choice of print fonts. Or, if you prefer a formed character printer, the LQP02 daisy-wheel printer completes your full range of choices.

cessing systems, because SELECT works integrally with the printing features of Digital's LA50 and Letterprinter 100. You can create your own technical documents with superscripts and subscripts. With the LA100 you can even incorporate math and Greek symbols. Then print the entire document with page headers, footers, and page numbers.

A CHOICE OF STYLE

Digital's durable commercial quality printers offer excellent flexibility. For interoffice memos, spreadsheets, and reports, choose the LA50 or the Letterprinter 100. With SELECT, you can condense type to print the spreadsheet in your report. Or expand the type for a bold title. You select your print settings right from the menu. And change them as often as you like.



Organize information with Rainbow 100

A key function to your work—often overlooked until you need it—is managing lists of information. Inquiry response lists, customer lists, circulation lists, department lists, asset lists, parts lists. The list is endless. And finding the information you need from a list can involve an endless search.

Rainbow has the solution for creating lists and using them efficiently. It's called LIST MANAGER, developed for the Rainbow 100 by Peachtree Software.

LISTS, THE WAY YOU NEED THEM

The ideal list provides all the information you need in one place and several ways to get it. With LIST MANAGER, you can keep lists with up to fourteen different details about each item on the list. For example, a list of customers can contain name, address, phone number, and title, and any set of pertinent details about purchases, preferences, and personal characteristics.

LIST MANAGER HELPS YOU ORGANIZE

It's easy to use LIST MANAGER. You select from eight simple procedures displayed on the menu. Each list you create goes into a separate file. And when you define a file, select a file, update a file, combine files, or produce a report, the LIST MANAGER asks you for the necessary information step-by-step. Of course, there is always "help." You can create a new list in less than fifteen minutes.

THREE-WAY INDEXING AND SORTING

Use the list immediately. You can find information you need in seconds. Suppose you want a customer's phone number and know only his purchase order number. With three-way indexing you can get the entire set of information knowing only a single detail. Then, if you need a list with selected information, you can determine the order in which it is printed—three ways. A list can be ordered, for example, first by zip code, within the zip code by town, and within the town by customer alphabetically. Now you have a mailing list.

WORKS WITH SELECT

LIST MANAGER works directly with SELECT Word Processing on the Rainbow 100. It creates lists for form letters. Or supplies information that SELECT can edit and use in another document. In fact, you can define up to fourteen regular formats for printing a list of information. Or request special reports—like all customers with a service contract or all parts from a vendor. You can do a lot with LIST MANAGER.



Communicate with Rainbow 100

When you need to go beyond your own facts and figures—to check information in the main computer system where you work or tap into outside data bases—Rainbow 100 gives you the power of communication.

THE INDUSTRY STANDARD COMPUTER TERMINAL

For communication, Rainbow 100 is more than a personal computer. It's a computer terminal of superior commercial quality from a world leader in computer terminal design. Digital created the Rainbow 100 with the features and functions of the VT100, the video terminal that set industry standards.

Used as a video terminal, Rainbow 100 gives you complete access to any compatible host computer. You can enter and locate information or develop programs on the main computer. And, with the CP/M Communications software package by Polygon Associates, you can receive, store, and send information files back and forth—between your Rainbow 100, a compatible main computer, and other Rainbow 100s. You can even share printers and other peripherals.

REACH BEYOND YOUR OFFICE

Rainbow 100 also opens your office to the world of information services. Among them are Dow Jones News/Retrieval™, for financial news, market information, or company profiles. And The Source™, for travel information, reservations, and business information programs. The Source also provides an executive electronic mail service linking you to a private distribution network within your company or across the country.

DIGITAL'S SOFTWARE PROGRAM

MULTIPLAN, SELECT, LIST MANAGER, and CP/M Communications are choice selections from a wealth of available software that runs on the Rainbow 100. A catalog that lists languages, tools, and application packages is published by Digital. We have also instituted the Digital Classified Software Program to test and approve software that meets our standards.

CP/M-86/80, TODAY'S STANDARD, TOMORROW'S INVESTMENT

Digital's support of the CP/M operating system for Rainbow 100 is your assurance of a sound investment in personal computing. Not only can you take advantage of existing programs today, your Rainbow 100 is ready to use advanced CP/M programs in the future. As a CP/M user, you enjoy the benefits of industry standard software and the growing community of software developers working on new and enhanced programs.

Dow Jones News/Retrieval is a trademark of Dow Jones and Company, Inc.
The Source is a servicemark of Source Telecomputing Corporation, a subsidiary of The Reader's Digest Association, Inc.



Rainbow 100 was designed for you

Second to getting your work done, your personal system should be easy to work with. Here again the Rainbow 100 shines. Crafted for comfortable operation, Rainbow gives you physical freedom, clear viewing, and keyboard ease.

The Rainbow 100 occupies only a small amount of desk space. And moves with you as you change working position. The monitor display screen adjusts vertically for viewing comfort. A non-glare coating reduces reflections and enhances contrast. Contrast can also be adjusted with the controls on the side of the monitor.

Rainbow's thin, low-profile keyboard is attached to the monitor with a 6-foot coiled cord providing freedom of movement. Place the keyboard on your desk or lap and rest your palms comfortably as you work.

FORM FOLLOWS FUNCTION

Not only is Rainbow 100 beautifully designed, each of its system components is optimized for efficient work.

KEYBOARD

The keyboard is arranged to eliminate errors and increase your data entry speed. Its 103 keys are divided into four areas that are easy to learn and remember. They include the main typing area, data entry area, screen control areas, and special commands and functions.

MONITOR DISPLAY

Words are displayed on the screen in upper and lower case letters with true descenders. You can choose to work with an 80 or 132 character display to suit your application. And text highlighting—bold, blink, reverse video, and underlining—is shown right on the screen as you work.

THE SYSTEM UNIT

The Rainbow 100 system unit contains a system board, power supply, disk drives and slots for added options. This compact unit lies horizontally on a shelf or stands vertically in a convenient floorstand.

—Dual Microprocessors

The Rainbow 100 has two processors—the Z80™ and the 8088. The Z80 processor runs 8-bit CP/M application programs and the 8088 runs 16-bit applications. Digital's unique CP/M-86/80 operating system utilizes the appropriate processor automatically.

Z80 is a registered trademark of Zilog, Inc.



— The Main Memory

The two processors share a standard 64 Kbytes of main memory. This can be expanded to 128 or 256 Kbytes with a choice of memory options.

— Disk Drives

The standard Rainbow 100 provides floppy disk storage for 800 Kbytes of information. Each diskette stores 400 Kbytes. And there are two diskettes per drive. With 800 Kbytes per drive, you can store a lot more information than in most personal systems. You can also add a second drive, bringing capacity to 1.6 Mbytes. Additional information can be stored on the optional 5 Mbyte Winchester disk.

COMPUTER-BASED INSTRUCTION

Every Rainbow 100 includes an exciting set of lessons to teach you about its operations. First, Rainbow shows you all of its basic operating parts and teaches you how to use the keyboard. Next, Rainbow shows you how to get started, enter commands and copy diskettes. More sophisticated information about file services, commands and utilities are explained step-by-step in the last two lessons. Each lesson is written in simple, non-technical language and is illustrated clearly.

SELF DIAGNOSTICS

Rainbow 100 also diagnoses its own operations. The diagnostics are initiated automatically when you power-up. Checks are performed on all communications, video, and diskette-drive circuits. If there is a problem, an error message indicating the affected module will be displayed.



Digital supports you, manufacturing to service

The Digital approach to system quality begins with superior design. We maintain this standard from manufacturing to service.

QUALITY CONTROL

Digital manufactures and checks each component of the Rainbow 100 — with tests as rigorous as those for our large computer systems.

TOLL-FREE HELP LINE*

If you have a question about hardware, software, warranty, or installation, our Customer Support staff is ready to help. Digital's system specialists are trained in all aspects of Rainbow's operations. And they have access to the complete resources of Digital Equipment Corporation.

ON-SITE SYSTEM SERVICE

You can purchase primary System Support service to cover both hardware and software. With this plan, our help line personnel dispatch a local service representative to your site for efficient remedial maintenance. System Support also includes engineering, software and documentation updates, as well as the customer newsletter.

CARRY-IN CENTERS

This alternate plan gives you service coverage with the self-maintenance option. Our help line personnel assist you in determining the problem. You bring the computer or a single component to your nearest Digital Carry-In Center for service.

MODULE MAILER

With the DECmailer Module Repair service option, you eliminate the service trip. Just put the module in the mail. We'll send you a replacement.

EASY USER'S GUIDES

Rainbow 100 user's guides describe the system clearly in words and pictures. Using the manuals, you can load your application program and start working the same day.

And beyond...

Digital designed the Rainbow 100 to make work easier — whether it's planning, writing, organizing, communicating or creating your own work support tools. Since we first designed interactive, "personal" computers twenty-five years ago, Digital Equipment Corporation has worked to make computers more affordable, more friendly, and more useful for every type of application.

Now Digital brings computer excellence to your desk. In design, in performance, and in support, Rainbow 100 is your best personal investment, today and tomorrow.

*Toll-free help line is available in the United States and other selected geographies.



Rainbow 100 specifications

HARDWARE:

System Unit

Height	6.5 inches
Length	19 inches
Width	14.3 inches
Maximum Weight	30 pounds
Line Current	3A @ 115 Vac
	1.5 @ 230 Vac

Power Consumption 218 Watts

CPUs

Z80/8088 dual microprocessors

Main Memory 64 Kbytes standard
256 maximum

Diskette Data Storage One drive containing 2 diskettes
(2 x 400Kb) standard
Second drive (2 x 400Kb) optional,
1.6Mb maximum

Media 5¼-inch diskettes, formatted, dual-density
Screen Display Maximum 132 columns wide
Selectable 80 columns wide

Screen Attributes Bold, blink, underline, reverse
Communications Port RS423 Asynchronous/byte synchronous
Printer Port Serial

HARDWARE OPTIONS:

Bit-map Color Graphics
Option

High resolution 800 x 240, 4 colors
Low resolution 400 x 240, 16 colors
5 Mbyte Winchester

External Disk Drive

Extended

Communications Option Two ports (RS423, RS422)

System Unit Stand for
Vertical Mounting

HARDWARE CONTROL FEATURES

- Print screen control
- Console control of communications
- Operator control of screen width
- BW or reverse display
- Operator control of screen intensity
- Keyclick control

OPERATING SYSTEM FEATURES

- Integrated CP/M 86/80 utilizing Z80 and 8088 CPUs
- Automatic use of correct processor for program
- Complete built-in computer based training course
- Full screen editor standard
- Screen oriented file manager
- Full complement of programming tools



