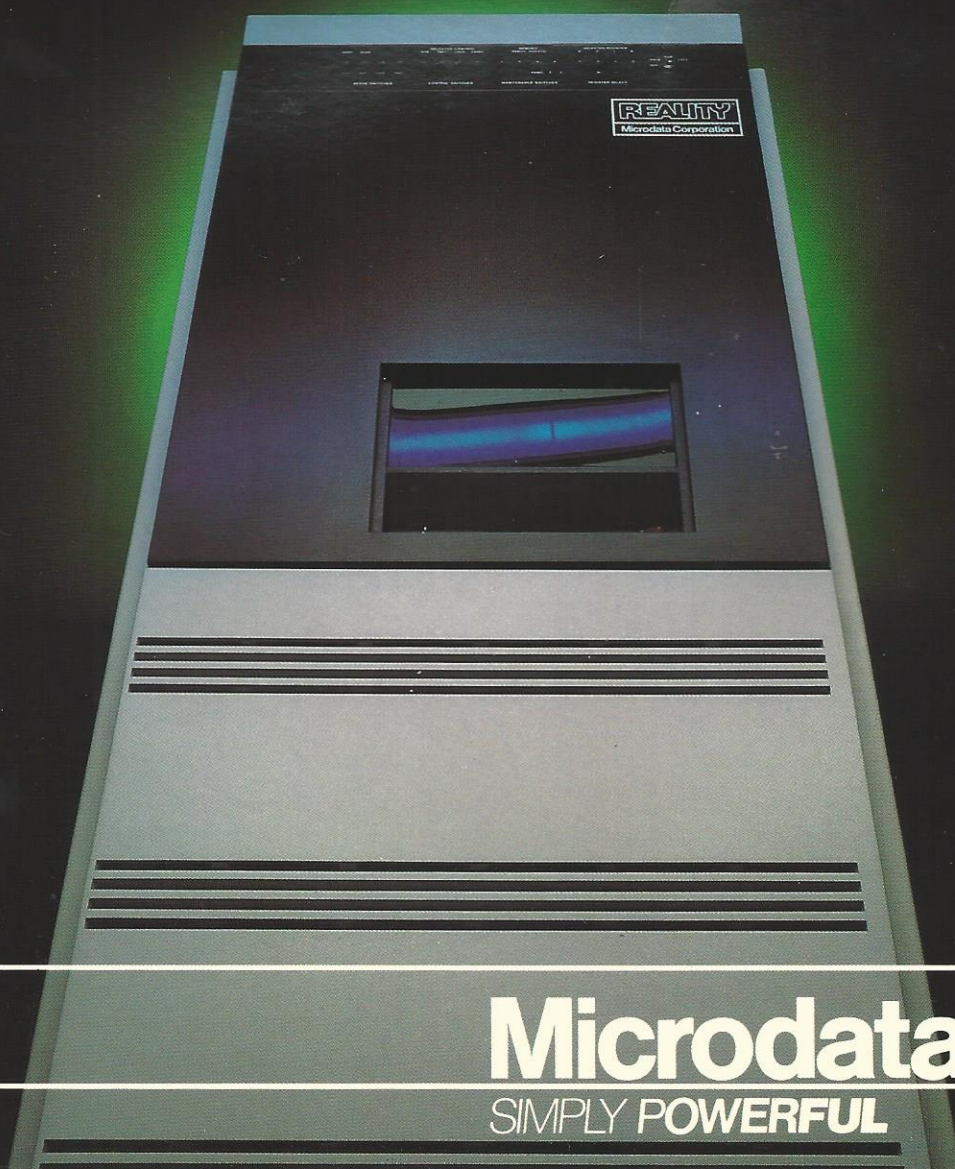


**BUILD YOUR
BUSINESS
ON A FIRM
FOUNDATION.**

**MICRODATA
REALITY[®] 4700
COMPUTER.**



Microdata
SIMPLY POWERFUL



**REALITY[®]4700
COMPUTER
BUILDING BLOCK
CONFIGURATION:
THE FOUNDATION
FOR A GROWING
BUSINESS.**



The Microdata REALITY® 4700 system is the data base management computer system you can start with. And grow with.

Whether you're in a small or medium size business or a department in a large organization, the REALITY data base management operating system will change the way you think about computers.

Because the REALITY 4700 computer will change the way you use computers.

And the way you run your business.

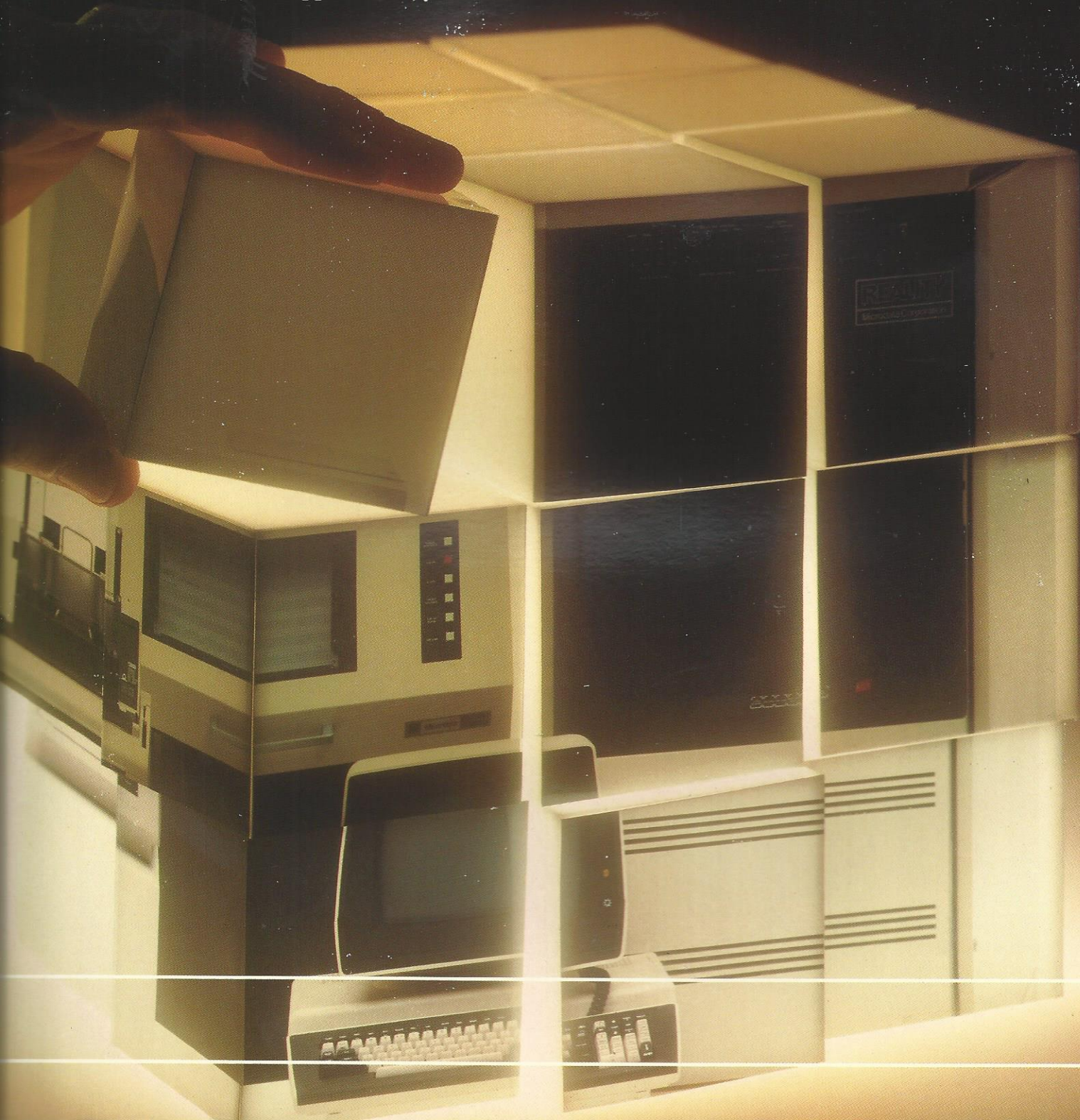
Instead of a staff of expensive programmers to develop your applications, your end

users will be working with the system directly. Even top management.

Instead of taking weeks or months to modify a report, you'll be answering "what if?" questions as fast as you can ask them.

Thousands of organizations of all sizes are already making use of the advantages that REALITY computer systems give them over their competition.

Now, with the Microdata REALITY 4700 System, you can join them. At an unprecedented level of price/performance.



REALITY 4700 COMPUTER BUILDS AS YOU GROW.

The REALITY 4700 Computer starts with a single base unit that you configure to meet a wide range of requirements.

The base configuration 4700 includes 64K bytes of main memory, 32 megabytes of disk storage, and one single-density 1600-BPI streaming tape drive for disk back-up.

Much of the REALITY 4700 Computer's operating system is implemented in firmware, also known as microcode. Microdata developed firmware—a technique of moving basic machine functions out of software and into hardware—reducing main memory requirements and system overhead. Giving the REALITY 4700 Computer a level of performance equivalent to that of many larger computers.

Options include a performance-enhanced processor (PEP), up to 512K bytes of main memory, and increased disk storage to 514.8 megabytes.

The REALITY 4700 System supports a wide selection of peripherals. These include 150, 300, and 600 LPM parallel printers, letter quality printers, serial printers, a serial-interface option to support 150 and 300 LPM remote printers, and up to 48 interactive keyboard/display terminals.

In addition to the standard single-density streamer tape, an optional dual density (1600/3200 bpi) version, and a dual density (800/1600 bpi) start/stop magnetic tape drive are available.

MICRODATA SOFTWARE. PERHAPS THE BEST REASON FOR CHOOSING THE REALITY 4700 SYSTEM.

Microdata's extensive REALITY-based software library contains many productivity tools that are unavailable from other computer companies.

First is the REALITY Data Base Management operating system. REALITY System's multiuser virtual memory management operating system is built around a relational

data base. The design lets users define relationships among data elements at any time, in any way. REALITY Computer combines those elements to provide information in a format meaningful and relevant to the user. This approach to data base management enables the system to serve the divergent needs of many users efficiently, and keeps that data base easy to maintain.

You'll find the ENGLISH® data inquiry and retrieval language ideal for every user. ENGLISH unlocks the power of the REALITY System data base so even users with no prior computer experience can quickly produce customized reports without special training.

PROC is a feature that can be used to pre-define complex operations and reports. These procedures are stored in the system, and can be invoked with a single command.

For more extensive application development, ALL™ (a PRO-IV Product), the revolutionary Application Language Liberator, can literally cut the development time of complex applications from months to days.

With ALL application language liberator, the user defines the entire application, from data input through report definition, in an interactive session at the terminal. ALL application language liberator creates the application program automatically. It even standardizes labeling and documentation formats—slashing your programmers' documentation and program maintenance chores.

*Put The Pieces In Their Place.
Microdata REALITY 4700
Computer System*



OTHER REALITY BASED SOFTWARE SUPPORTED ON THE 4700 INCLUDES:

- DATA/BASIC™ an enhanced business BASIC, including features which simplify programming and give you access to the full power of the REALITY data base.
- WORDMATE™ word processing, combining a full set of word processing features with access to the REALITY data base. WORDMATE word processing makes it simple to integrate text and data into a single document.
- REALCALC™ program, a powerful spreadsheet program that also provides relational data base access. The combination of spreadsheet convenience with full data access gives managers an extremely sophisticated tool for analyzing "what if?" questions.

In addition, a wide range of industry-specific REALITY business applications are available from Microdata and independent suppliers.

SUPPORT YOU CAN COUNT ON.

Microdata's worldwide service and support organization gives you the confidence of round-the-clock, single-supplier back-up.

And, Microdata is committed to enhancing the REALITY system along with its ease of access to vital business information to insure continued productivity now and in the future.

In fact, a recent industry survey¹ of computer users ranked Microdata "Most Highly Rated" in hardware, software, and service.

Everything about the REALITY 4700 lives up to that reputation.

If the idea of available computer power through simplicity of use makes sense to you, so will the Microdata REALITY 4700 Computer System.

Microdata's U.S. network of direct sales offices, and dealers, and our subsidiaries and distributors in more than 50 countries are at your service.

¹DataPro Research Corp. User Survey 5-83

MICRODATA REALITY 4700 COMPUTER SPECIFICATIONS

Central Processor Unit

Microprogrammed Architecture

- Data base management firmware
- Special instruction emulation firmware
- Virtual memory operating system
- Multiuser operating system firmware
- Dynamic file/memory management
- Micro-instruction execution time:
200 nanoseconds. With the PEP option:
150 nanoseconds.

Program/Data Formats

- Character length: 8 bits (1 byte)
- Character string length: 0 to 32,267 character
- Fixed point data length: 8/16/32/48 bits
(1/2/4/6 bytes)
- Software instruction length 8/16/32/48 bits
- Virtual memory direct addressing range:
514 million bytes

Main Storage—MOS

- Cycle time: 800 nanoseconds/byte
(600 nanoseconds/byte with PEP option)
- Minimum capacity (bytes): 64K
- Maximum capacity (bytes): 512K
- Main memory required to support operating system: 8K bytes

Central Processor Features

- Micro-instruction length: 16 bits
- Instruction set: 110 different operations
- Hardware registers: 32
- Multilevel indirect addressing
- Power failure protection, automatic restart
- Real-time clock
- Priority interrupt system
- Battery backup memory protection

Input/Output Control

- Microprogramming I/O processors
- Direct memory access channels
- Maximum I/O rate: 500,000 bytes/second
- Terminal I/O rates: 110 to 9600 baud

System

Physical

Dimension:	26.0 inch (66 cm) wide 58.5 inch (148.6 cm) high 39.0 inch (99.1 cm) deep
Weight:	800 pounds (362.88 kg) typical
Electrical:	Voltage: 115, 220, 240 VAC Frequency: 50/60 Hz Consumption: 1380 watts (12A at 115 VAC), typical

All specifications are subject to change without notice.

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