

# REALITY<sup>®</sup>

# Microdata

Meet the Reality<sup>™</sup>  
Family. It's  
designed  
to grow.





**For first-time users or very large data processors, there's a Reality<sup>®</sup> system that's right for now and still right for tomorrow.**

**REALITY SERIES 2000, 4000, AND 6000 OFFER YOU CAPACITY AS YOU NEED IT.**

Microdata's Reality<sup>®</sup> is a computer system for data base management. It provides multiple users with capabilities for instant update and retrieval of information stored in on-line data files. Users can communicate via local or remote terminals with the computer files. And each terminal user's vocabulary can be tailored to a specific application.

**UPWARD COMPATIBILITY**

We designed the new Reality family for the businessman. Just as you plan for the future today, we designed Reality for your future data processing requirements. Our secret is one of compatibility. As your data processing needs expand, you can add to your present Reality series or upgrade all the way to the powerful Reality Series 6000. And both your hardware and software investments stay as part of your growing system; there's no obsolescence with Reality.

**WE SPEAK YOUR LANGUAGE**

In addition to the natural migration path offered by Reality systems, Reality can communicate in your language, ENGLISH.<sup>™</sup> Since you can use plain English (or German, French, Spanish, or several other languages), you don't have a need for a special operator to work with complicated codes and symbols. Anyone in the company, from the President on down, can retrieve information with Reality. Non-technical users can rapidly inquire into any data base and produce customized, ad hoc reports

without complex programming or operating instructions. A typical ENGLISH inquiry consists of a relatively free-form sentence consisting of appropriate verbs, file names, data selection criteria, and control modifiers.

**OTHER LANGUAGES FOR OTHER PROBLEMS**

If your data processing needs are more complicated, your Reality system can also be programmed in DATA / BASIC,<sup>™</sup> a simple, yet versatile programming language, PROC, which enables a user to evoke a previously stored complex operational sequence with a single command, and EDITOR which permits on-line interactive modification of any item in the data base, or in any of several other computer languages.

And to make sure that you get what you need in the form you need it, there's the amazing SCREENPRO.<sup>™</sup> Even a non-programmer can create and modify screen displays utilizing SCREENPRO. It is simple and easy-to-use, yet it can do most of the processing of your data before it is inserted into the data base. You can modify the display at any time, and even add or delete items to be displayed with minimum effort. As a matter of fact, screen display creation becomes so easy with SCREENPRO, the user can design displays without the aid of the programmer. He gets exactly what he wants, not what the programmer "thinks" he wants. SCREENPRO puts the user in complete control.

Basically, Reality is designed to solve your business problems swiftly, efficiently and economically.





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## Reality: what it is and how it works.

### HARDWARE, FIRMWARE, SOFTWARE AND FILE STRUCTURE DESIGNED TO WORK TOGETHER

Depending on your data processing needs, your Reality data base management system offers from 16KB to 128KB of main memory, up to 512 megabytes of disc storage and up to 32 operator terminals.

A typical system has a central processing unit (CPU), Reflex® disc drive, reel-to-reel magnetic tape, Prism® (CRT) display terminal, and a Matrix printer.

Hardware, software and file structure are designed to work together whether you need an economical system as a first time user or a high-capacity system for complex data management.

And then there's Microdata exclusive "firmware." This is how Reality is able to provide significantly faster response than most large scale data processing machines. Utilizing this firmware, the entire system resources of Reality are managed by a virtual memory operating system. This increased speed enables as many as 32 users to utilize the system as though it were their own on-site computer. They enter data, retrieve information or run applications in complete independence from the activities of other users.

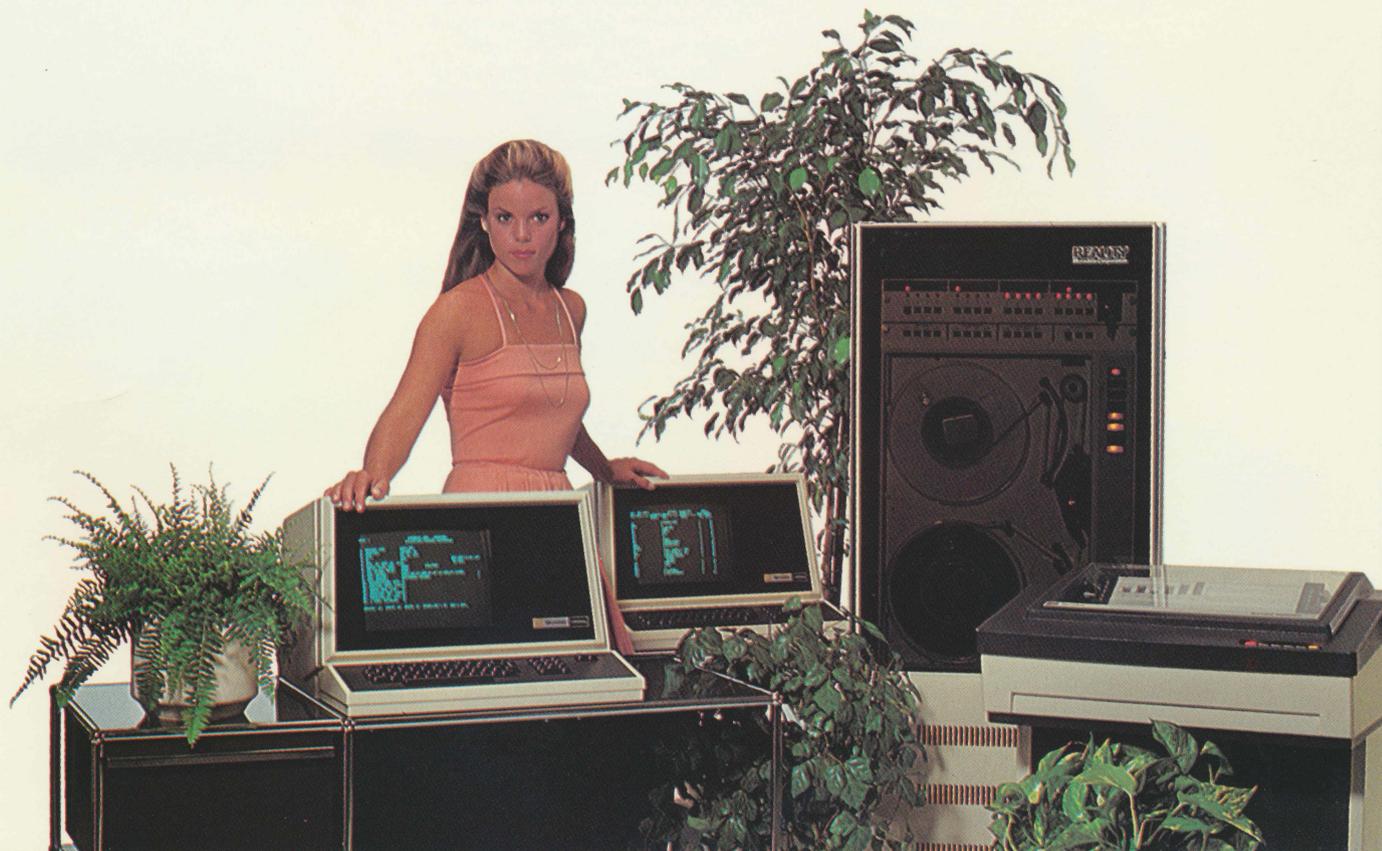
Reality has a unique software operating system. It has everything you need for data base management. The system software includes:

1. ENGLISH, DATA / BASIC™, PROC and EDITOR languages.
2. New screen processor language — SCREENPRO™ an easy way to set up terminal displays and input data. It takes you through a sequence of steps to produce a routine that allows a terminal operator to design screens formatted to meet specific needs.
3. Optional BISYNC and ASSEMBLY languages.
4. Selectable automatic report formatting.
5. Dynamic file memory management.
6. Selectable levels of file data security.

And then there's what *you* put into the system — the file structure. The file structure provides:

1. Variable length files, records or fields.
2. Multi- and sub-values within a field.
3. Efficient storage utilization.
4. Swift access to data items.
5. Selectable degrees of data security.
6. File size limited only by the size of the disc.
7. Record size up to 32,000 bytes.

Put it all together — the hardware, firmware and software — and Reality is the computer system to move your business ahead.

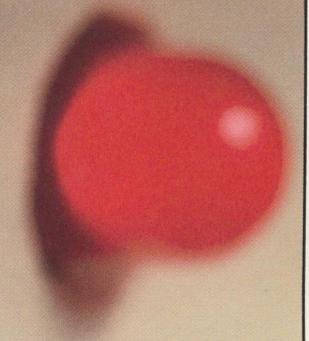




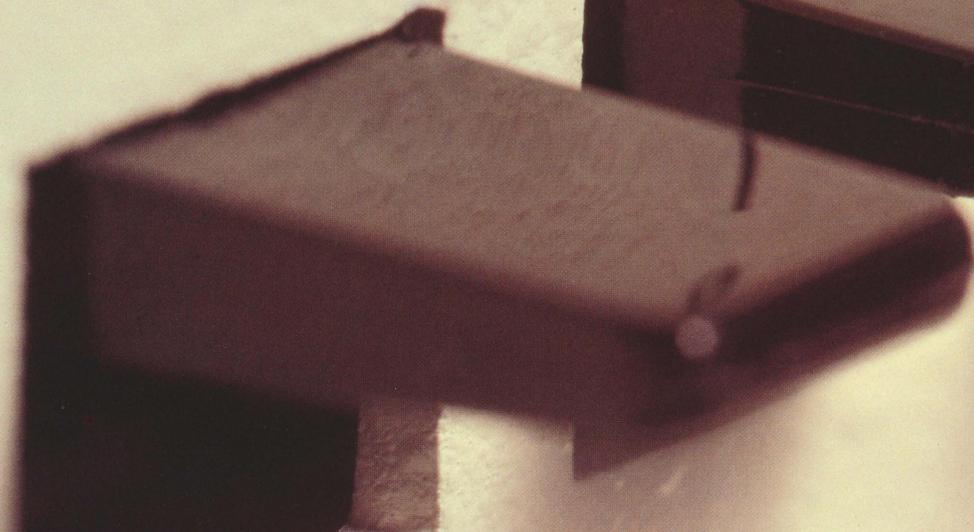
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## Reality is No. 1 — for many reasons.

You're looking for speed and accuracy in your computer system. And you're looking to get it with minimum cost. You'll find that Reality measures up to and surpasses anything in its field as far as speed and accuracy goes; and your investment is less. You buy big computer performance at a minicomputer price. Your Reality system has *complete* small business computer capabilities.

In the 4000 and 6000 families, you get up to 32 concurrent users and 512 million characters of on-line storage. And you get fast terminal response on all of your terminals — in ENGLISH retrieval language, if you so choose. In addition, you have line printer spooling, special data management processors, high-speed generalized sort capability, and the computer/peripheral compatibility from top to bottom of the Reality line that makes Reality a growing part of your business.

No other computer system in its class can match these features — is so self-contained and programmed for growth — and offers the reliability of a single manufacturer who services all the peripherals. No other system in its class comes close to Reality.

### HOW DO I CHOOSE THE SYSTEM I NEED TODAY?

With an eye on tomorrow because that's how we build Reality.

If you're just computerizing your operation, chances are that a Reality Series 2000 will more than meet your data processing needs. With up to eight terminals, the Series 2000 features improved hardware technology and a proven, easy-to-use software operating system.

With DATA/BASIC system language, ENGLISH inquiry language, a new screen processor and a host of other easy-to-operate firmware driven software, you can quickly have your Reality system functioning to solve your business problems.

### THE "WORKHORSE"

If your data processing needs are more demanding, you probably need the Reality Series 4000. This is the "Workhorse" of the new Reality family. It offers a natural migration path for Series 2000 users, expanding modularly to accommodate the most dynamic business growth.

The Series 4000 absorbs traditionally "programmer bound" functions into Microdata award-winning firmware and software. The extensive use of firmware greatly reduces instruction time and system overhead. And in addition to increasing memory and storage capacities, the Series 4000 offers as many as 32 terminals as opposed to the Series 2000 eight terminals.

### THE "DO-IT-ALL"

If we think of the Series 4000 as the "Workhorse" of the Reality family, then the Series 6000 is the "Do-It-All." No matter what your data base management problems, chances are the Series 6000 will solve them faster, more efficiently and more economically than other computers.

The Series 6000 is powerful enough for heavy loads. Main memory capacity can be as large as 128KB. You get up to 512 megabytes of disc storage. You can add on 150, 300 or 600 LPM printers. And magnetic tape drive capacity is 1600 BPI at 45 IPS.

All of this capacity coupled with unique firmware and software configurations make the Microdata 6000 Series the ideal system for companies with large capacity data management needs.

If you need only a basic Series 2000 Reality system today but anticipate growing needs for increasing capacity, Reality is designed to accommodate your growth without expensive new computer equipment. You can grow into the 4000 and 6000 Series at your own speed. So look for the system that speaks English and grows as you grow.



# Microdata

## Microdata — the people who bring you Reality.

Microdata is more than 2500 dedicated people working together to bring you, the businessman, the best possible way to get information about your business that is accurate, reliable and up-to-the-minute.

Microdata is a corporation that has unique experience in the mini-computer business.

Microdata is the corporation that has literally thousands of Reality computer systems at work throughout the world doing the demanding applications that other systems can't do as well.

Microdata is the corporation that manufactures the entire system from printed circuit boards and memories to our own minicomputers and peripherals.

Microdata is the corporation that backs its products through an international network of customer service.

Microdata is the computer company that believes that tomorrow must be considered today. That's why our computer systems are programmed to grow with you.

**Microdata Corporation**  
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Statements herein are subject to change without notice. A Microdata representative can provide latest information. Some photographs are of prototypes.

SALES OUTLETS: Domestic — Alexandria, VA; Anaheim, CA; Atlanta, GA; Bellevue, WA; Brentwood, TN; Burlingame, CA; Burlington, MA; City of Commerce, CA; Cleveland, OH; Dallas, TX; El Paso, TX; Emeryville, CA; Englewood, CO; Honolulu, HI; Houston, TX; Indianapolis, IN; Maple Shade, NJ; Memphis, TN; Miami, FL; Monroe, LA; New York, NY; Ponce, Puerto Rico; Raleigh, NC; Salt Lake City, UT; Southfield, MI; Springdale, AK; Tampa, FL; Toronto, Canada; Union, NJ. International — Africa; Algeria; Argentina; Aruba Antilles; Austria; Australia; Belgium; Colombia; Denmark; England; Finland; France; Ghana; Greece; Hong Kong; Iceland; Iran; Iraq; Ireland; Italy; Japan; Kuwait & Gulf States; Libya; Luxembourg; Mexico; Morocco; Netherlands; New Zealand; Nigeria; Norway; Portugal; Saudi Arabia; South Africa; Spain; Sweden; Switzerland; Taiwan; Tobago; Trinidad; Tunisia; Venezuela; West Germany.

