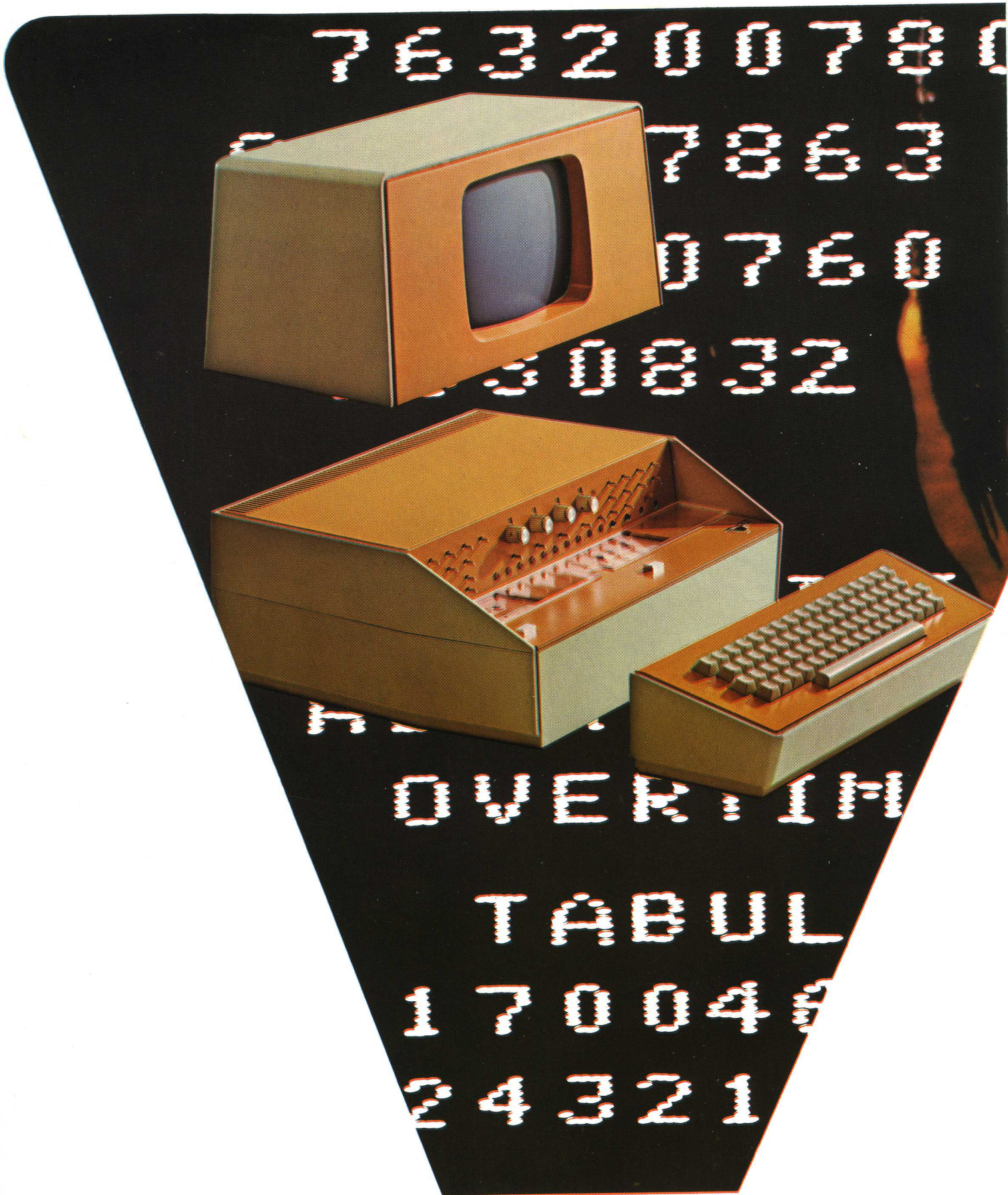


INTRODUCING VIATRON SYSTEM 21

data management
machines that will probably
cost you less than
your telephone service



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System 21 puts the logic where the problem is—on every desk where data is gathered, processed, edited or needed—with a processor renting for \$20 a month, a video display renting for \$5, a simple attachment that converts a typewriter to a printer renting for \$20 and a reusable tape cartridge that you can buy for only \$4

Solve your paper work problem by putting digital logic where the problem is

Most businesses are trying to cope with rapidly pyramiding paper work problems with the tools of the past twenty or thirty years — the typewriter, the adding machine, the keypunch and the telephone — and with a new tool, the computer.

But computers have solved only a fraction of the problem. They're too sophisticated and too expensive to help people do ordinary jobs. Computers don't end paper shuffling.

System 21 does.

System 21 takes computer technology, simplifies it, miniaturizes it and dis-

tributes it so it can be used by the people who need it — the clerk who records data, the sales manager who wants to get information out into the field, the credit manager who wants to look up records, the electronic data processing manager who is trying to convert reams of paper into computer-usable data.

System 21 is a family of economical ready-to-run machines

It performs data entry, data control, data reporting, data display, data communication, and data storage and retrieval in the simplest and most economical way.

It is a total system designed to improve your total data management operation.

Not by time sharing on an already over-worked computer. Not by creating highly complex electronic bottlenecks. But by giving **each** clerk and **each** administrator the tools he needs to record, edit, transmit and display data at his desk or in the field.

System 21 complements your present computer operations. You can use it without making any modifications in your existing computer system.

Microprogramming and large scale integration — the secret of VIATRON prices

A microprogrammed machine is simply a machine that has the logic built into it to do a specific job automatically.

Microprogrammed computers are far

more reliable and far less expensive to build than ordinary computers that are a maze of very complex logic that has to be completed by programmers.

But eliminating programming is only one reason for the low cost and inherent reliability of VIATRON System 21. Further economies are made possible by large scale integration (LSI) utilizing mass produced metal oxide semiconductor (MOS) circuits that cost only a tenth as much as conventional integrated circuits.

Reusable VIATAPE cartridges make data compatible with both people and computers

One of the problems in data management is that people talk one language, computers another.

VIATAPE provides the new common medium.

All System 21 machines are designed to use this inexpensive recording medium so data can be put into digital form at the point of capture. A single VIATAPE cartridge that weighs less than 1½ oz. and measures less than ½ x 2½ x 4 inches stores the equivalent of 1000 80-character lines or 20 typewritten pages. Once information is on VIATAPE it is compatible with both people and computers.

System 21 gives you all the low-cost tools for generating VIATAPE, scanning VIATAPE, printing or displaying data from VIATAPE, converting data on VIATAPE to punched cards or IBM-compatible tape and converting information on IBM-compatible tape or cards to VIATAPE.

Your secretary will tell you a System 21 keyboard looks just like her typewriter keyboard

With System 21, data no longer has to be recorded by one person, converted into a computer-usable form by another and verified by a third. You can forget about keypunch and key-to-computer-tape operators.

The keyboard looks like a typewriter keyboard. The numbers and letters are in the right place. This means any girl can put data into digital form.

As she types each letter it appears on a video display together with formatting guides so she knows just what she is doing. These formatting guides can be set so she can control the data entry unit. Routine jobs become simply a matter of filling in so many blank spaces.

Once information is on VIATAPE it is easy to get it where it is needed

VIATAPE is almost impossible to damage — it's people-proof, weather-proof, hard-work-proof.

And it is simple to transmit data from one VIATAPE station to another over regular telephone lines. A System 21 data communications adapter costs as little as \$25 a month and it also goes on-line to your computer for "real-time" applications.

Data Control — The need to know and the executive's function

One of the objectives of any data management system is providing executives with the facts they need in order to make decisions.

System 21 provides a real measure of data control. Information does not

have to pass through a lot of hands or steps between the point where it is gathered or reported and the point it is acted on.

In fact, by decentralizing computer logic, management's control of its business is actually strengthened. As the flow of data or information becomes streamlined, management can get its hands on data faster and without the pounds of computer printouts it has to face now. Thus, executives can deal first-hand with immediate problems.

At the same time it is easier to restrict data to those who need it.

For \$7.50 a month any television set can become a computer display

System 21 allows you to display data at your desk, at home, on the television set in your hotel room, or to send data over closed circuit television. All you need is information on a VIATAPE cartridge, a System 21 microprocessor and a standard television set or VIATRON display.

A simple \$20 attachment converts a typewriter to a printer for data retrieval

Retrieving information from the digital domain is easy. In addition to VIATRON video display units, System 21 also includes an inexpensive attachment that converts a typewriter to a data printer. The attachment is not permanent. It can be removed or replaced in seconds.

The VIATRON rental agreement

Evaluation units can now be ordered for delivery in the summer of 1969

VIATRON does not require long-term lease agreements. All rental agreements contain a 30-day cancellation clause. Agreements for evaluation units are offered for a minimum of 90 days. Under a VIATRON rental agreement you can receive a number of spare machines at our expense. If one machine breaks down you just unpack another.



For more information about System 21 and the VIATRON Short-Term Rental Agreement write VIATRON Computer Systems Corporation, Dept. D-1, 105 Terrace Hall Avenue, Burlington, Massachusetts 01803.