Now, Wang offers you more data storage and faster processing.

Introducing the 2200VP, Wang's newest central processing unit. An optional enhancement to Wang's 2200 line of small computer systems, this new CPU adds processing power through larger user memory and faster processing speeds for those who need them. For both existing and first-time 2200 users.

The 2200VP expands memory capacity for disk-based 2200 systems to 64K bytes. It provides full memory parity protecting you against system failure and data loss. As a result of a new micro-processor design, the 2200VP's cycle time is 600 nanoseconds. This, coupled with a new, high-efficiency BASIC interpreter and a greatly enriched version of the popular BASIC language, called BASIC-2, gives you a unique combination of speed, ease of programming, flexibility, and expandability.

To give you still more processing power, the 2200VP has a separate control memory. The high-efficiency BASIC-2 interpreter and operating system are loaded from disk or diskette into the control memory leaving the system's user memory completely available for programs and data.

In addition, the 2200VP uses the atomization technique for program storage. Programs require, therefore, less memory in the 2200VP than in systems which store program text character by character.

True number-crunching for business applications.

The 2200VP offers execution speeds comparable to those of many large computer mainframes. You can, therefore, use the 2200VP for a variety of data processing and heavy number-crunching jobs which previously required much larger systems.

Expandability to 64K bytes of memory enhances the overall processing ability of the system. Programs written in large segments speed up execution time and result in clean, easily maintained code. Additional memory, combined with high execution speeds, means that the 2200VP can process large quantities of data with great ease and efficiency.

Full memory parity is particularly important for commercial applications, where data loss or the introduction of bad data is a serious problem.

In summary, the high performance of the 2200VP offers you substantial processing capability to satisfy your immediate needs, as well as the potential for future expansion as your business grows.

High performance for technical and scientific applications.

For the technical, scientific and engineering user, the 2200VP offers high problem-solving performance, including the area of instrument control. Powerful I/O statements let you custom-tailor I/O routines on machine-language level and still execute them within the framework of the high-level BASIC-2 language.

On-line monitoring and control of multiple instruments is easy and efficient with the fast processing speeds of the 2200VP, and its I/O transfer rates of up to 100,000 cps.

The combination of speed, and memory expandable to 64K bytes, makes the 2200VP a logical choice for applications requiring a heavy number-crunching capability. The 2200VP's

fast processing speed facilitates solving extremely sophisticated and time-consuming problems which up to now have required a large mainframe.

Protection of investment for present 2200 users.

If you are a Wang 2200 user and your needs are beginning to outgrow your present CPU capacity, the 2200VP provides protection of your investment. The 2200VP offers virtually total software and hardware compatibility with existing 2200 CPU's. 2200 software can be run on the 2200VP with no or only minimal modifications. Also, the 2200VP supports all existing peripherals with the exception of tape cassettes and hand-fed marked card readers.

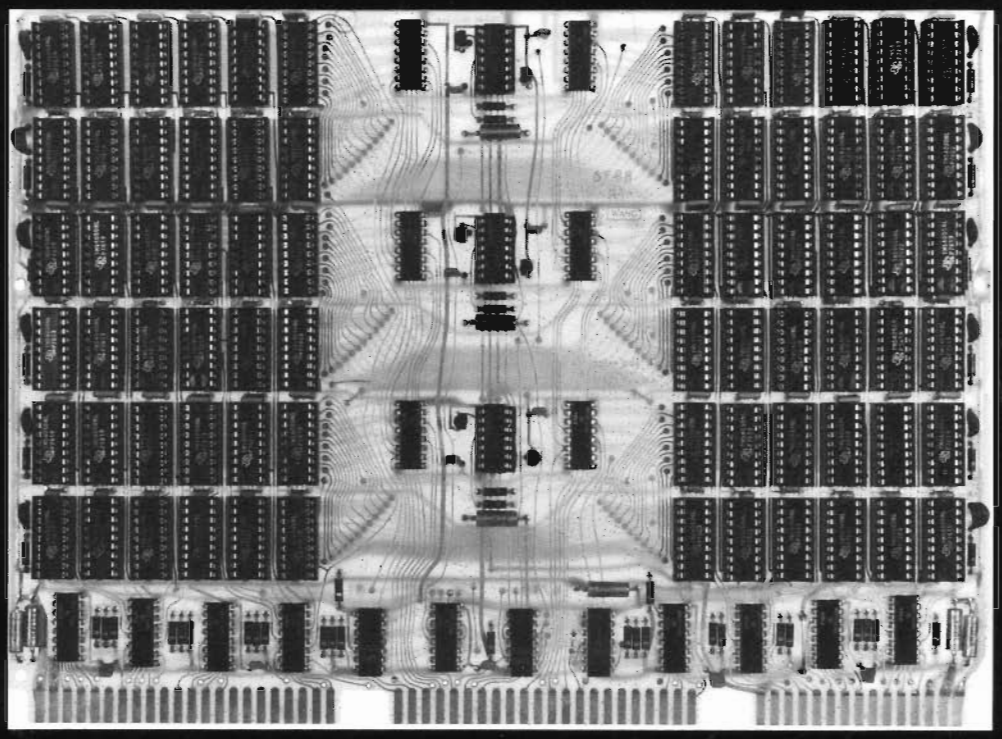
In most cases, therefore, updating to a 2200VP involves nothing more than pulling out the 2200 CPU and plugging in the new 2200VP CPU.

BASIC-2, a powerfully enriched language, easy to learn and use.

With the 2200VP, Wang has enriched its popular version of BASIC, now called BASIC-2. BASIC-2 includes enhancements which make writing, documenting, and debugging programs still easier and less time consuming. And BASIC-2 provides more powerful and flexible language capabilities for a wide range of applications.

Improvements to the mathematics and matrix instruction sets as well as extended binary data manipulation features, new error handling and rounding features, and a "soft interrupt" capability are of particular appeal in instrument control, scientific, and general problem-solving applications.

BASIC-2 also gives superior support to commercial applications, such as formatting printed output for forms—filling and formatting the CRT display for data entry operations.



The 2200VP in a nutshell.

- Memory cycle time 600 nanoseconds for fast throughput.
- Memory expandable to 64K for program flexibility.
- Full memory parity (both micro-instructions and data memory) for reliability.
- Automatic cross-reference program listings for ease of operation.
- Alpha variables can be dimensioned to a maximum of 128 bytes. Single-dimension array subscripts to a maximum of 64K.
- Added math functions, alpha-numeric and logical operations, round/no-round option, and improved math error handling for flexible problem solving.
- Binary and logical operators for character data modification at the bit and byte level.
- Extensive set of statements to handle I/O and instrument control with "soft interrupt".
- Enhanced PRINT and PRINTUSING statements for easy and versatile formatting of printed output, as well as ability to perform program-controlled "spooling" of printed output for more efficient processing.
- Powerful EDIT features for easy program and data editing.
- Efficient techniques for error testing and recovery.

Now is the time.

If you already have a Wang 2200 system and expansion and upgrade have been on your mind, the 2200VP is ready.

If you are considering your first computer system, and the magnitude of your needs suggests something more than a mini but less than a mainframe, the 2200VP is the answer.

Wang offers you big computer data processing at small computer prices and convenience. Phone or write us today.

25th Anniversary
WANG
1951 - 1976

Wang Laboratories, Inc. • 1 Industrial Ave., Lowell, MA 01851 • Tel. (617) 851-4111 • TWX 710-343-6769 • Telex 94-7421

Printed in U.S.A.
700-3930
9-76-15M