WANG

VS 8000 Series

High performance computers for your business

One of the most important functions of your business is to get information where it's needed. With people throughout your organization demanding complete, quick access to this information at any time, you need a system you can rely on to give you premium performance at the best cost ratio — into the '90s and beyond. The Wang VS 8000 family of super-minicomputers is designed to do just that. Its robust power, distributed processing design, and increased capacity can fully meet the multi-user needs of smaller organizations; for larger companies, it offers an ideal choice as a mid-tier or departmental processor. The system handles a broad range of information-management applications to improve your organization's output and efficiency, from transaction processing and decision support to bit-intensive applications like image processing, handwritten annotations, and voice notes. Wang VS 8000 systems are available to support from tens to hundreds of connected users in networked workgroups or traditional mini-computer configurations. They solve these users' diversified information processing needs, and they contain built-in security features to protect vital business information within this multi-user environment.

VS architecture: foundation you can build on.

Because every business has a different infrastructure, Wang conceptualized a modular design for the VS system, to permit customization, growth, and change. In fact, no other manufacturer offers the growth potential available to you in the Wang VS product family. Our ground-breaking VS architecture is optimized for business computing, with its need to control vast amounts of data while maintaining data integrity, consistency, and security. The VS architecture is based on a three-level structure. In this design, the CPU distributes tasks to achieve peak efficiency. CPU response time is dramatically improved by delegating peripheral and communications management tasks and a portion of the processing responsibilities to intelligent input-output coprocessors (IOCs). And optional intelligent peripherals handle presentation services and perform local operations as required. By dividing responsibility for certain activities among these various components, the VS architecture keeps information movement to a minimum while maintaining quick access and high performance for each user. The significance of this VS platform becomes especially apparent when demanding applications like image and voice are measured. Under such workloads, Wang's distributed design ensures that all users get the full computing power they need when they need it. And by building intelligence into the VS 8000's peripherals and coprocessors, Wang also helps you build the necessary system power most cost-effectively.

When the time comes for you to modify or expand your system, the VS 8000 has the flexibility to adapt without disrupting your operation. Upgrades within the VS 8000 family are effected easily. For more CPU power, faster central processor boards can be swapped into your existing chassis. For more I/O power, you can add IOCs. Hardware compatibility across the VS line lets you upgrade your system at any time as Wang pursues and perfects new technological advances. Full software compatibility among the VS product family also ensures that your applications remain current even as the system is modified.

An operating system that's compatible with people.

Consistency is a key to the Wang VS system philosophy. The VS 8000 family maintains the standard VS OS operating system that has already proven so successful. Highly functional and easy-to-use, the VS OS helps users familiarize themselves with the system quickly. One interface is all they ever need to learn. You can integrate new programs and features as they become available. There's no need for retraining. This ability to preserve application and user skills does more than provide significant savings; it boosts employee confidence and productivity. And if you're interested in UNIX environments, Wang also offers a UNIX System V.2-compatible operating system, IN/ix , for the VS 8000 series*. Available at three user levels (the highest being 64 users), IN/ix runs on the VS 8000 under Wang's VM (Virtual Machine) operating environment. VM allows multiple operating systems — virtual machines — to be operated simultaneously on a single system.

* Available Q1 Calander 1990

Introducing the seven VS 8000 family members.

The Wang VS 8000 family has been designed to allow you to select the processing speed and throughput capabilities that best meet your needs. A choice of five CPUs offers progressive steps of computing power, and two system cabinet options provide space for either seven or fifteen I/O coprocessors.

The VS 8400 series: superior power and performance.

The VS 8400 is an outstanding choice for organizations seeking a large-capacity computer with advanced high-density CMOS technology. But throughput capability is just one of the value enhancements of this high-end series of the VS 8000 line. With up to 30 intelligent IOCs available to you (under VS/VM with an I/O Expansion Cabinet, both optional) the VS 8400 dramatically raises the ceiling on the number of connected users. These IOCs can also support high numbers of disks, printers, and telecommunications links, to let you get the most widespread use from your equipment purchases.

The VS 8400 offers up to 64 MB of main system memory and, on high-end models, 128 KB of private, high-speed cache memory.

The VS 8200 series: intensive mid-range power for a smaller user base.

If your organization or department has smaller connectivity demands but supports intense usage and applications, you should consider the VS 8200 series. The seven-slot models within this series are especially effective for image processing applications with high-intensity users or for data processing with heavy batch processing applications. When the time comes to upgrade, a simple cabinet swap gives you the increased power and large-scale distribution of the VS 8400 series. Wang's VS compatibility protects your investment in applications and peripherals.

Wang Networking and Integration

Sharing the wealth: unparalleled information distribution.

Wang's Open Systems Networking (OSN) facilities are an important benefit of the VS 8000 family. No matter where your business information resides, you can exchange information over local and wide area networks using a variety of applications, services, and transports. Based on the OSI model and incorporating many industry-standard components, OSN provides multi-vendor connectivity for PCs, minicomputers, and mainframes, allowing networking among Wang, IBM, DEC, Hewlett Packard, Unisys, and other systems. This capability lets you integrate your VS 8000 system into your existing equipment base. Your personnel adapts comfortably to the new system, and your initial investment remains viable. With OSN, the VS 8000 can take advantage of such important business-related features as: a rich set of IBM integration products, from terminal emulators to mail gateways; integration with DEC systems, via both terminal emulations and peer-peer networking; and DOS services and terminal emulation services for PCs, both local and remote. All of these applications are supported by an integrated set of essential network management products. This far-reaching and expansive communications capability will prove increasingly valuable as your organization grows and disperses.

Integration services: leveraging your investment in systems and applications.

Wang is a leader in integrating technologies most needed by business users, and incorporating them into our products. Data, text, image, voice, networking — whatever your needs in these areas, the VS 8000 can meet them masterfully, and always with a focus on ease of use. And because mainframes, minicomputers, and PCs all offer their own strengths in various applications, Wang designed the VS 8000 to act as server and gateway when that's appropriate. In this way, you can take maximum advantage of alternative system configurations.

Wang's PC VS integration is particularly helpful in the multi-tier environment the VS 8000 was designed for. PC users can run PC and VS applications simultaneously, managing all of them through the Microsoft Windows graphical interface. With PC VS Integration services, users have access to information, wherever it resides. And while the VS 8000 manages and centralizes corporate data resources, PC users on a Local Area Network (LAN) enjoy full access to the VS library of applications, which can solve almost any business problem — right at their desktops. The VS 8000 also serves as an integrator for E-Mail among Wang, IBM, or DEC proprietary systems and the X.400, or among PCs, or between IBM resident data and DEC resident data. For even greater flexibility, this data can be integrated into image applications or voice response systems. Because Wang is committed to meeting 100 percent of your information management needs, we are continually seeking and developing new levels of integration and open interfaces.

Plus a safety net: complete computer support.

In order to be your partner in helping you use your VS 8000 most productively, Wang offers hardware, software, education, and consulting services for the VS 8000 — and across our entire product line.

Hardware. Wang's hardware services are designed to maximize your system availability through advanced system and remote diagnostics, preventive maintenance, and a superior service network that is everywhere you are. With on-site hardware maintenance available around the clock, Wang can offer you uptime guarantees made possible by immediate response options.

Software. Wang also offers the level of software services your business requires, with the latest software and documentation updates, highly skilled analysts on-site, and consistent, expert software telephone and remote support through centralized support centers.

Education. Comprehensive education services also assist your users in optimizing your VS 8000. A specialized education plan can be created specifically for your business and may include either classroom and computer-based training, or customized training by video tape or private satellite broadcast.

Consulting. Wang offers consulting services throughout the life of your VS 8000, from basic, preconfigured implementation packages to tailored project plans, developed to address your specific needs.
Wang is committed to your success, from initial system design, through implementation, and through the expansion and integration of your systems. Wang services embody that pledge: Wang works with you to ensure your satisfaction with our products.

WANG

Wang Laboratories, Inc.
One Industrial Avenue
Lowell, MA 01851

Tel: 508/459-5000
Telex: 172108