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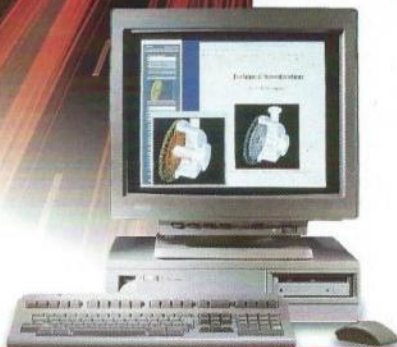
## DIGITAL VAX™ Systems

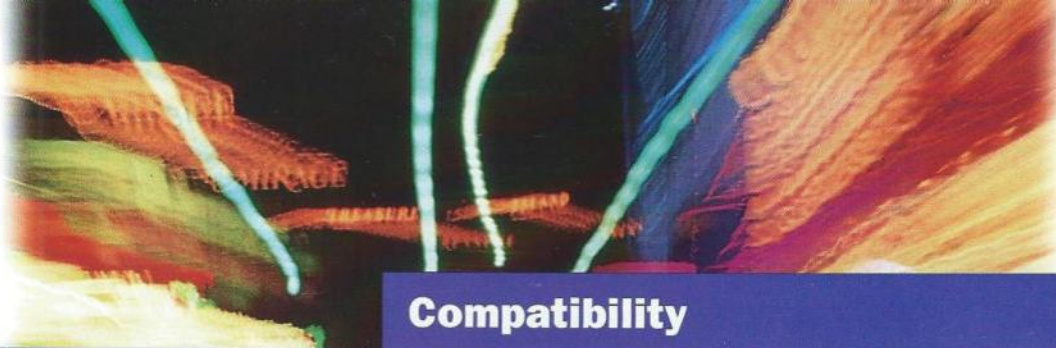
### Performance-proven technology

Reliability. Predictability. Scalability. High availability. These are the reasons why hundreds of thousands of businesses worldwide have entrusted their mission-critical applications to DIGITAL VAX systems. DIGITAL has added new VAX systems to its low-end desktop and rackmount lines to dramatically lower cost of ownership and increase flexibility while still maintaining OpenVMS™ compatibility.

#### Benefits

- High-availability features minimize downtime and maximize productivity.
- New memory and storage capabilities enable you to meet your expanding business requirements.
- Standard SIMM memory and 3-year warranty drive down cost of ownership.
- Impressive price/performance to help you meet today's business challenges.
- Scalability to provide flexibility as your business grows.
- Compatible with previous-generation VAX/OpenVMS systems and an easy upgrade to DIGITAL Alpha™.





## Compatibility

### Keeping pace with technology

Each DIGITAL VAX system provides access to the latest technologies and approaches in such areas as memory and storage. Each offers new, smaller packaging and rackmountable configurations across the product line. Today's VAX systems run the latest version of OpenVMS VAX. And they provide backward compatibility to version 5.5-2 H4 to protect all your software investments, PLUS an easy upgrade to AlphaServer™ systems to ensure a smooth evolution of capabilities to meet your business needs.

The DIGITAL VAX system family continues to be one of the most viable, safest, and most cost-effective information technology purchases, with performance that has been proven to deliver results in over 20 years of operation in every corner of the world and in the full range of business environments.

This combination of up-to-date capabilities, well-documented operational excellence, and strong customer trust makes the VAX system a unique product with exceptional value.

### Building on the architecture

We know better than toinker with the basic formula that makes VAX architecture the choice for almost 20 years. So you'll recognize all of the traditional VAX features and capabilities, including:

*DIGITAL OpenVMS VAX* – No other operating system can equal its data integrity and security. No mainframe or departmental system can match its scalability and high availability. And because it complies with industry standards, like those from X/Open™, you can choose from thousands of OpenVMS

applications. OpenVMS continues to safeguard your investment by supporting these new systems on OpenVMS v5.5-2H4 through the current version.

*Solid performance* – All VAX systems are built on proven CISC microprocessors. They feature high-speed I/O subsystems and the latest in memory and storage to meet the needs of a wide variety of applications – from mission-critical to day-to-day business – more predictably and effectively than other technologies.

*High availability* – With built-in features that ensure data integrity, security, reliability, and availability, the VAX system keeps your business-critical applications running around the clock. Optional uninterruptible power supplies are available to maintain high availability and prevent data loss when power-related problems occur.

*Scalability* – You can easily expand the capabilities of your VAX system through networking and clustering, as well as through symmetric multiprocessing (SMP) on the VAX 7000 models. And should application performance reach its limits, remember that OpenVMS is functionally compatible on both VAX and Alpha platforms. In addition, this operating system provides the same user environment, programmer environment, security services, system management environment, standards compliance, and system integrated products on both platforms. DIGITAL offers the Advantage Upgrade Program that will help you easily upgrade your system application from VAX to Alpha systems.

# Reliability

*“The introduction of these new VAX systems will reassure the owners of more than a quarter million VAX systems that their investments are protected, and that the VAX platform will remain viable beyond the year 2000.”*

*Terry C. Shannon,  
Publisher of “Shannon Knows DEC”*



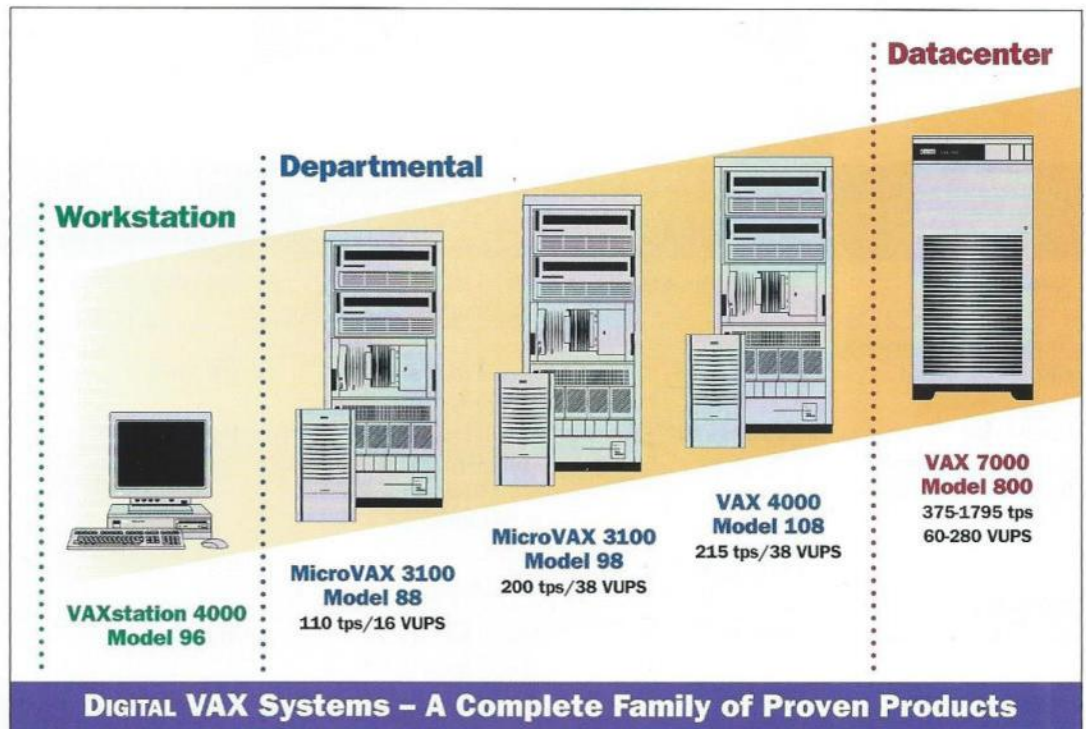
### Making it better

But even the best can be sustained with new features and additional capabilities. That's exactly what we've done with the DIGITAL VAX family. We've introduced new VAX models that incorporate:

**NEW memory capacities** – Up to 512 MB is now available (MicroVAX 3100 models 88/98 and VAX 4000 model 108). Even better, new VAX models use low-cost, standard SIMM memory to deliver memory capacity previously available only on higher-end VAX systems at a fraction of the cost.

**NEW storage capacity** – Latest SCSI technology with space for 6 internal SCSI devices (MicroVAX 3100 models 88/98 and VAX 4000 model 108) provides lots of room to store and grow.

**NEW packaging** – Models available in minitower or desktop orientation with 50% smaller footprint than previous desktop servers.



**NEW rackmount option** – available for all minitower models. Provides flexibility and efficiency, allowing you to pack enormous compute power and storage capacity in a single enclosure. Customized rackmount configuration area available through Computer Special Systems (CSS).

**NEW expanded warranty** – 3-year coverage on MicroVAX 3100 and VAX 4000 models ensures responsive service and lowers cost of ownership.

### An unbeatable family

Whether you're in the market for workgroup technology or enterprise-wide systems,

there's a DIGITAL VAX system with the performance you're looking for – and the technology to help you take your business into the 21st century.

### Unbeatable support

DIGITAL is THE recognized worldwide leader in multi-vendor services. That means you can count on expert and responsive support for your DIGITAL VAX system, OpenVMS software, AND your entire IT environment. We stand by you with a full range of system management, training, administration, recovery, and supplemental support services

designed to keep your environment operating at its best from day one ... and for many years down the road.

### Your best course of action

For additional information on the DIGITAL VAX family of systems, visit our VAX systems home page at: [www.digital.com/info/vax](http://www.digital.com/info/vax).

You can also contact your local DIGITAL sales office or an authorized DIGITAL Business Partner. For information by fax, call: 800-DIGITAL (via a touch-tone phone in the U.S. and Canada), or 908-885-6426 from other countries.

## High Availability

*“VMS clustering was given a ‘trial-by-fire’ – and it worked! Today, DIGITAL VMS Clusters are the only solution for realtime, long distance back-up.”*

*Patrick Hummel on DIGITAL VAX 7000 systems solution  
I.T. Director, Capital Markets Division  
Credit Lyonnais, Paris, France*



System	VAXstation 4000 Model 96 Workstation	MicroVAX 3100 Models 88, 98 Departmental	VAX 4000 Model 108 Departmental	VAX 7000 Model 800 Datacenter
Performance	45 SPECmark89®	Model 88: 110 tps/16 VUPS Model 98: 200 tps/38 VUPS	215 tps/38 VUPS	Model 810: 575 tps/60 VUPS Model 860: 1795 tps/280 VUPS
Number of Processors	1	1	1	Up to 6
CPU clock speed	100 MHz	Model 88: 62.5 MHz Model 98: 100 MHz	100 MHz	170.9 MHz/processor
Cache size (on chip/on board)	2 KB/256 KB	Model 88: 10 KB/128 KB Model 98: 10 KB/512 KB	10 KB/512 KB	10 KB/4 MB per processor
In-cabinet CPU upgrade		Model 88 upgrades to Model 98		To SMP VAX CPUs; in-cabinet CPU upgrade to VAX 7000 Model 800 and AlphaServer 8400 systems
<b>I/O features</b>				
Max. memory capacity	128 MB	Model 88: 512 MB Model 98: 512 MB	512 MB	5.5 GB
Max. disk capacity (in cabinet/total)	10.5 GB/14.7 GB	Models 88 and 98: 19.2 GB/535.4 GB	19.2 GB/535.4 GB	42 GB/Over 10 TB
Max. I/O bandwidth	10 MB/s	12.5 MB/s	12.5 MB/s	400 MB/s
I/O support	SCSI, Ethernet, 1-slot TURBOchannel, FDDI	2 SCSI, Ethernet	1 SCSI, 2 DSSI, Ethernet, Q-bus, FDDI	4 XMI, 10 CI, 24 DSSI, 8 FDDI, 16 Ethernet, 12 SDI, 6 VAXBI, 8 VME
<b>High-availability features</b>				
OpenVMS Clusters	Ethernet, FDDI	Ethernet	Ethernet, DSSI, FDDI	Ethernet, DSSI, CI, FDDI
Supported features	Disk shadowing	Disk shadowing, UPS	Disk shadowing, UPS	Disk shadowing, N+1 redundant power system, integrated UPS and power conditioning
<b>Software Features</b>				
Operating System	OpenVMS	OpenVMS	OpenVMS	OpenVMS
Network Support	NAS 200	NAS 200	NAS 200	NAS 200
Warranty	3-year, on-site, with 24-hour response time	3-year, on-site, with 24-hour response time	3-year, on-site, with 24-hour response time	1-year, on-site, with 24-hour response time
Enclosure type	Desktop	Minitower/rackmount	Minitower/rackmount	Cabinet/rackmount

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