

Application-Specific Configurations

Integrating the Enterprise with a Commitment to Custom Solutions Design



Specially-configured Systems Offer Integrated Solutions That Satisfy Unique Requirements

Sometimes, standard computing systems just don't fit your requirements. You need a system that is smaller. A backplane that is bigger. More I/O. Less footprint. And your application calls for the integration of third-party gear.

Digital can design systems uniquely configured to your application. That is, they are custom-designed to meet your business needs, packaging and integrating Digital or third-party gear in a standard or non-standard rack. More computing power. Better fit. Less space. And less expensive than it would cost you to custom configure the system yourself.

We've configured systems with their own air conditioning, so data can be accessed 24 hours a day, even where AC is shut off after hours. We've configured rugged systems for use on aircraft carriers. We've integrated third-party tape drives, and supported them as though they were our own products. No two system solutions are the same, and yours is unique. The important thing to remember is that Digital can configure the system that meets the unique demands of your business, in the form factor you need, with all the elements of your solution, including third-party gear.

Standard or custom, all of our specially-configured systems offer you the benefits of Digital networking, the strengths of Digital system architecture, and the reliability of Digital support.

Highlights

- A Digital solution tailored to meet your needs
- A special solution configured by experts
- Design expertise in reconfigurations: I/O, cooling, power, system access, footprint, vertical space utilization
- Single vendor solution
- Digital's Customer Services support for entire solution
- Competitively engineered systems
- Integrated third-party equipment

The Design Problem: The Best Solution in the Shortest Time

Time to market is critical. Digital's design engineers work quickly to identify your objectives and key design issues. We work hard to develop a set of design criteria early, establishing how much com-

puting power you need, space limitations and special access, cooling, environmental or power requirements. We perform system loading analyses to determine module placement, and take I/O, interface, and communications issues into account.

The key is that working with Digital standard components as building blocks, and offering you the strengths of Digital's standard product offerings, we can work quickly to develop your solution, at less expense, in less time and with greater reliability than if you reconfigured it yourself.

The Unique, Digital-Configured Solution

It makes sense to have Digital custom-configure your system. From your specifications and performance requirements, we can provide you with a completely integrated rackmounted solution.

Whether you need your system in a standard 19" Electronic Industry Association rack, a custom rack with special ventilation and access, or environmental racks that meet important NEMA standards, Digital experts deliver the solution you need. A Digital solution, supported completely by Digital.

Special Configurations for the Navy

In any military application, size and weight are at a premium. One U.S. Navy prime contractor needed to put tremendous computing power in a small footprint, to provide tactical mission support. Third-party gear was needed . . . as well as data from as many as 12 VAX ADA™ databases.

Digital developed a special split backplane for the powerful VAX systems used, and designed a shorter keyboard to fit the limited space aboard ship. Digital also integrated a newly developed CD-ROM drive into the system, eliminating the need for a separate tabletop component. The system makes use of data from a myriad of VAX ADA sources, and the key integrating tools were developed on the VAX 3800 system.

Digital also helped the customer cut costs. In the development of a communications workstation designed to accompany the system, Digital proposed that final integration and test be conducted by the customer, reducing Digital labor content and allowing the customer to meet its cost objectives.



Integrating Third-Party Gear

That support extends to third-party gear as well. Digital, the leader in Enterprise Integration Services, works hard to provide solutions that encompass the very best solutions to your immediate problem, whether or not you can find it in the Digital standard product offerings. We recognize that the modern computing environment is a multiple-vendor environment, and provide the framework and enabling technology to integrate it all. And we work to expand that technology with special software, interfaces, and adapters that allow you to preserve your investment in non-Digital platforms.

Uniquely Configured and Fully Supported by Digital

Every custom Digital solution is designed to adhere to strict standards for interoperability, interconnectivity, and integratability, both forward and backward in time. It simply means that your solution not only meets your immediate requirements, it offers all the strengths and benefits of Digital architecture: the ability to network, to distribute computing power and share information, to integrate your entire enterprise. And when you allow Digital to integrate your solution, it is supported in the same reliable manner as any standard Digital solution system.

Specially-Configured Solutions to Meet Customer Demands

Digital is able to help customers with responsive engineering solutions because its established Services organization is committed to finding answers to customers' problems -- whether that means special engineering or a standard product.

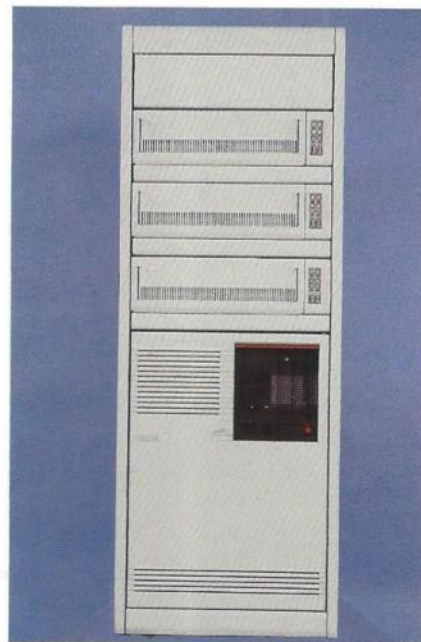
If your problem requires solutions not found in Digital's standard product offerings, Digital can develop and integrate the specialized hardware and software needed. Whether your solution requires uniquely designed hardware, software, integration of third-party solutions, on-and-off site training programs, or field services, call on Digital. Every custom solution is supported as completely as every standard product.

As the leading worldwide supplier of networked computer systems and services, Digital can help you plan, design, implement and manage your computing environment.

The removable platform based on either the MicroVAX 3000 family or the VAX 4000-300 meets customer needs for high performance, high availability, data integrity and the benefits of data interchange afforded by a fully removable storage subsystem.

The pre-configured platforms feature a 60" shielded cabinet, rackmount diskless MicroVAX 3400 or 3800, removable storage options (RF30, 150 Mbytes or RF71, 400 Mbytes based Winchester disk and integral controller) expandable to 2.4 Gbytes of storage capacity.

Digital's platform systems are designed to offer maximum convenience, availability and small footprint when configuring and ordering their MicroVAX systems.



Brokerage Services Want Power & Communications

A large brokerage services firm wanted to upgrade front end processing systems to allow small local firms to place automated buy, sell, and confirm orders to Wall Street. But because office space in New York is very expensive, the footprint had to be kept as small as possible. The brokerage firm also needed to boost their communications capabilities.



Working with the customer, Digital provided a two-cabinet solution. One cab contained two FATBOX CPUs, the other contained 204 synchronous communications lines with SIMPACT 1622 and 3222 communications modules. Careful redesign for air flow and emissions requirements are part of the Digital services provided on any specially-configured system.

Automating the Postal Service

A prime contractor needed a control system to be used with optical character readers and bar code converters they were developing for the U.S. Postal Service. The system, designed to extract and process ZIP + 4 codes for automated sorting and routing, would integrate customer-supplied equipment disk subsystems with Digital computers.

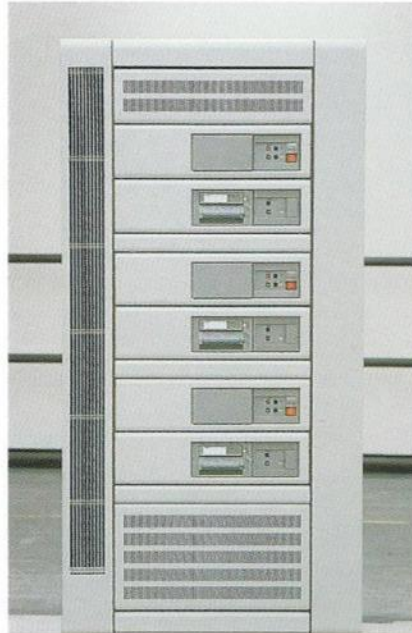


Working with the customer, Digital integrated third-party disk drives with the VAXstation 3200 workstations, communications modules and memory. The entire package was designed to reside in yet another third-party cabinet, and the entire solution was supported by Digital.

More Phone Calls per Square Foot

A national telecommunications service provider needed a unique computer/telecommunications system that would save floor space and at the same time accommodate a larger customer base for 800-number service.

Digital custom engineered a MicroVAX system with an enhanced cooling system to accommodate the higher density configuration. At the same time, Digital engineers redesigned the backplane to accommodate additional X.25 communications boards.



Giant Clusters With Tiny Footprints

A large national jet engine research laboratory needed a cluster of 14 CPUs packaged in a minimal footprint. They also needed to connect these CPUs to a local area network using THINET. Who do they turn to? Digital.

Digital worked with the customer to mount all the systems in four 19" equipment racks. Each system consists of three VAXserver 3600 systems, one VAXstation 3200 graphics workstation, and ten MicroVAX II systems. Digital developed a special mounting for a DESTA on the MicroVAX II systems that allows ten units in one cabinet. The result was a significant space savings for a customer with limited floor space.





For More Information, Call:

Digital will work with you to evaluate your application needs and help configure the most appropriate systems based on your business requirements. For more information on Digital's application specific configurations, contact your local Digital Sales Representative or call 800-832-6277 or 603-884-8990.

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