

HP AlphaServer ES47 systems



The 2-4 processor HP AlphaServer ES47 system with the EV7 Alpha processor is ideal for workgroup systems that place big demands on strained IT resources – especially when used for dedicated application servers, infrastructure servers like web, proxy and mail servers, and telecommunications and high-performance technical computing applications.

Available both in a 2-processor tower system and a 2-4 processor rack system, the AlphaServer ES47 system offers substantial advantages over past AlphaServer high performance solutions at the low-end.

Key features and benefits

- Binary AlphaServer compatibility: make any changes you want to get the performance you need – seamlessly. Moreover, your applications don't change. They just run faster – and gain greater scalability
- System on a chip: delivers built-in SMP and enhanced single system availability, keeping your workgroup more productive than ever
- Shared system elements: provide modular growth and investment protection throughout the next generation of AlphaServer systems
- Future-proof: next generation AlphaServer systems have been engineered at every level to ensure your

growth path is defined, unlimited and unstoppable – as well as to support the networking and storage options of the future

- Industry-leading OS choices: choose to build your environment around the HP Tru64 UNIX®, HP OpenVMS or Linux operating system

Your success is guaranteed

With the HP Alpha RetainTrust Program, your smooth technology evolution is assured. We have worked diligently to make sure your transition to the Itanium® architecture moves at the pace you and your infrastructure demand. Included in this program is the HP AlphaServer Customer Assurance Program.*

Among its many advantages, you will receive money-back satisfaction guarantees on next-generation HP Itanium® architecture-based systems running HP OpenVMS or HP-UX, financial assistance and trade-in incentives, and a wide variety of evolution resources. To learn more, visit: www.hp.com/servers/alphaserver

* Please be advised that the AlphaServer Customer Assurance Program may not be available in all areas and may be subject to different terms based on local law and regulation.

Based on the new EV7 Alpha processor, HP AlphaServer systems are the most technically advanced AlphaServer family to date. Building on a decade of innovation and leadership, these high performance server systems provide immediate benefits with outstanding performance, scalability, reliability, flexibility, manageability and availability.



HP AlphaServer ES47 tower/rack systems

Availability	Now	
Processor	1.0 GHz EV7 Planned performance enhancement in 2004	
SMP	2-4 processors	
Memory	Up to 16/32 GB • 8 GB/processor • 16 GB/processor 2004 RAID memory optional	
I/O subsystem	Embedded External	5-10 64-bit PCI-X slots on 3-6 busses; 1-2 AGP slots AlphaServer ES47 rack only: 11-22 64-bit PCI/PCI-X slots; 1-2 AGP slots StorageWorks
Partitions	1 (AlphaServer ES47 tower) Up to 2 (AlphaServer ES47 rack) (2 CPU minimum)	
Cabinetry	Tower and rack	
Performance ⁽¹⁾⁽²⁾	SPECint_2000 SPECfp_2000 SPECint_rate2000/SPECfp_rate2000 2 processors 4 processors	761 1,288 17.4/29.6 34.6/58.9
Operating environments	Tru64 UNIX v5.1B with IPK OpenVMS v7.3-1 with TIMA update kit Linux	
Server management	Embedded	
Reliability features	Redundant hot-swap power, fans. ECC protected memory, cache, microprocessor. Automatic server recovery. Prefailure warnings for disks, I/O, memory, CPUs, power and temperature. RAID memory. Dynamic multi-path I/O. Hot-swappable server management LAN components. In-line data correction on system mesh. System partitions.	
Warranty	One-year on-site, 9-hour x 5-day warranty with next-business-day response Optional service plans for up to 24x7, 2-hour, same-day response times are available, as well as a complete portfolio of worldwide service offerings to maximize uptime	

⁽¹⁾ SPECcpu2000: Benchmark scores reflect results published on www.spec.org as of June 13, 2003. For the latest SPEC benchmark results, visit: <http://www.spec.org/osq/cpu2000>

⁽²⁾ "STREAM: Sustainable Memory Bandwidth in High Performance Computers (<http://www.cs.virginia.edu/stream>)

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