



The HP Integrity server family

Industry-leading systems based on Intel® Itanium® 2 processors—
enabling the Adaptive Enterprise

NOTE: Products shown are not to scale.

HP Integrity rx2600 server



HP Integrity rx4640 server



HP Integrity rx5670 server



HP Integrity rx7620 server



HP Integrity rx8620 server



HP Integrity Superdome



The HP Integrity server family



The HP Integrity family is the perfect addition to the HP portfolio of industry-leading servers for building your adaptive enterprise—a portfolio that includes:

- The new HP Integrity servers, based on Intel® Itanium® processors
- HP NonStop servers, moving in the near future to Intel Itanium processors
- HP ProLiant servers, based on Intel IA-32 processors
- HP 9000 servers, based on PA-RISC processors
- HP AlphaServers systems, based on Alpha processors

Whatever type of servers your solution requires, from entry level up to high end, the flexibility, power, and investment protection offered by the HP Integrity server family lets you demand more—more accountability, more agility, and a better return on IT.

Accountability

Our commitment to your enterprise goes beyond simply supplying a hardware platform. Whether you want to implement a new business application, build a high-availability clustered solution, or port an existing application, you can trust that HP will be there to assure your success. We'll help you shorten time to implementation and increase the availability and productivity of your environment by delivering complete solutions with industry-leading services, support, consulting, education, and financing.

In addition, HP has partnered with leading independent software vendors (ISVs) to ensure you get the market-leading solutions that are best for your business. A broad portfolio of solutions across multiple operating systems is available for HP Integrity servers.

Agility

HP brings extensive enterprise computing experience to the table. We understand that your business needs best-in-class IT solutions—often requiring skills, resources, and hardware for heterogeneous environments. HP Integrity servers run the industry's leading operating environments, including HP-UX 11i, Linux, Microsoft® Windows® Server 2003, and (in the near future) OpenVMS. With this kind of flexibility and choice built into your HP Integrity server, you are ready to deploy new solutions easily and quickly with this versatile server platform.

In addition, we have optimized the HP Integrity family of servers to get more out of the Intel Itanium processor. In fact, HP servers based on Intel Itanium 2 processors outperform every other architecture in the market. We have accomplished this by taking the industry-leading Intel Itanium processor, co-developed by HP, and integrating it with our own HP Scalable Processor Chipset zx1 and Super-Scalable Processor Chipset sx1000. The HP zx1 Chipset, for entry-level servers, and HP sx1000 Chipset, for midrange and high-end servers, enable the Itanium 2-based HP Integrity servers to achieve industry-leading performance by decreasing memory latencies and increasing memory and I/O subsystem scalability.

When you're ready to take advantage of the benefits Itanium-based computing offers, HP has a full range of services available.



Better return on IT

HP Integrity servers provide the key to getting you the best possible return on your IT investment: leading total cost of ownership (TCO) through aggressive acquisition prices and low operating costs. And with roadmaps that include future in-chassis processor upgrades, you have unprecedented investment protection and are positioned to adapt quickly as the needs of your enterprise evolve.

Solutions running on HP Integrity servers enable you to further reduce complexity and increase efficiency through intelligent management capabilities across the multiple operating systems and server platforms of the broad HP server portfolio. And, by utilizing the partitioning capabilities and on-demand offerings, you can dynamically optimize your resources and align their use with your business needs and budget.

Take advantage of our special financing offers to further enhance your return on IT. We can help you lease your new solution cost-effectively. And we can remove your existing equipment and pay you for technology that has remaining market value.

Companies interested in lowering their total costs may take advantage of Pay per use. When you acquire your HP solution through Pay per use, you pay for your solution according to your level of usage—you'll never pay more than you would with a traditional lease, and you'll likely pay less. Available on a wide range of HP servers, Pay per use increases your agility, improves your level of service, and lowers your total cost of computing.

By providing you with unparalleled experience in support and solution implementation, no one is better positioned than HP to help you maximize your RoIT.

HP Integrity servers with HP StorageWorks—delivering more for the Adaptive Enterprise

As the worldwide leader in storage, HP StorageWorks, together with HP Integrity servers, delivers *more* for the Adaptive Enterprise:

- **More stability**—Server and storage high availability is ensured with solutions such as HP-UX cluster certifications and multi-path software connection.
- **More efficiency**—Customers can count on better time to problem resolution with unified servers, storage, management software, and services. HP provides planning, installation, migration, and management services. HP OpenView software, including HP OpenView Storage Area Manager (SAM), allows customers to manage their IT infrastructure with a unified and integrated enterprise-wide management solution for reduced TCO.
- **More agility**—HP is the leading vendor in delivering complete data center solutions, such as the HP Utility Data Center (UDC), and deploying virtualization technology, with products such as the HP StorageWorks Enterprise Virtual Array (EVA), to enable the Adaptive Enterprise.
- **More RoIT**—HP StorageWorks with HP Integrity servers provide better business value through unified management, datacenter consolidation, investment protection, high-availability, a full portfolio of services, and total solution deployment.

The new HP Integrity server family brings you a winning combination of HP expertise in system design and the industry-leading Intel Itanium processor, resulting in unprecedented performance and flexibility for delivering business agility and better return on IT.



HP Integrity rx2600— entry-level server with enterprise-grade features

Featuring up to two Intel Itanium 2 processors and up to 24 GB of memory, the HP Integrity rx2600 server helps you achieve more performance, improve business processes, and manage your IT more efficiently. The rx2600 empowers technical computing users to do more simulations, perform more in-depth analysis, run complex models faster, and render high-quality images with optimized performance. Commercial computing users will run their applications with superior performance, decreased costs, and reduced complexity. For all our supported operating systems—HP-UX 11i, Linux, OpenVMS (evaluation release), and Windows—HP has a powerful, flexible, highly available, and easily managed solution to meet your needs.

And, the tremendous growth potential of the rx2600 value and performance can be further enhanced via a clustering solution. At only 3.4 inches high, up to 20 rx2600 servers can be clustered in an industry-standard cabinet—for a densely racked configuration that offers greater efficiency and high availability through consolidation of system resources such as I/O, bandwidth, memory, mass storage, and compute capacity.

HP Integrity rx4640 and rx5670— increase business agility with leading entry-level performance

With their 1.5 GHz and 1.3 GHz Intel Itanium 2 processors, the 4-way HP Integrity rx4640 and rx5670 servers extend the performance of entry-level computing. They empower commercial computing users to run even more demanding business applications, such as enterprise resource planning (ERP), supply chain management, and business intelligence, at the value of an aggressive entry-level price point. Technical computing users will also benefit from the ability to run more simulations and perform more in-depth analysis than previously possible.

With future in-chassis upgrades to Intel's next generation of processors, the HP Integrity rx4640 is truly a platform for the future. And, with its rack-dense design, the rx4640 lets you make the most of your physical resources for maximizing your return on IT. The rx5670 is an ideal in-chassis upgrade for HP 9000 rp5400 series and L-class server customers who want to take advantage of the performance and agility of an HP Integrity server while getting the most out of their existing assets. Both servers offer a choice of operating systems, including HP-UX 11i, Linux, Windows, and (for the rx4640) OpenVMS. These aggressively priced servers bring you exceptional price/performance, reliability, and availability in a compact, rack-optimized design to meet demanding enterprise-level computing requirements.

The HP Integrity server family is opening up a whole new era in enterprise computing, enabling enterprises to demand more—more accountability, more agility, and a better return on IT.



HP Integrity rx7620 and rx8620—industry-leading midrange servers offering high-end mission-critical performance and capabilities

Featuring 1.5 GHz and 1.3 GHz Intel Itanium 2 processors and the HP sx1000 chipset, the 8-way HP Integrity rx7620 and 16-way HP Integrity rx8620 deliver world-leading performance, scalability, operating environment flexibility, and simplified management unequaled by any other midrange servers. Both offer tremendous investment protection with in-chassis upgradability to future high-performance Intel Itanium processors. They also offer the broadest choices of operating systems, including HP-UX 11i, Linux, Windows, and (in the future) OpenVMS, as well as partitioning capabilities for maximizing the utilization, return on IT, and uptime of your HP Integrity-based solution. The rx7620's flexibility and scalability deliver the agility and investment protection needed to meet today's commercial and technical computing demands—all while cutting costs. The outstanding performance of the rx8620, coupled with its multi-OS agility and partitioning capabilities, makes the rx8620 an ideal entry into high-end computing. Altogether, these new models provide a level of performance, agility, functionality, and value unmatched in their class. With flexible configurations, investment protection, competitive prices, and creative financing options, the HP Integrity rx7620 and rx8620 make highly available 64-bit computing an affordable reality for your enterprise.

In addition, HP 9000 customers with rp7410 and rp8400 servers can perform in-chassis upgrades to evolve those servers to HP Integrity rx7620 and rx8620 servers.

HP Integrity Superdome—unparalleled performance, flexibility, and value

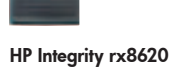
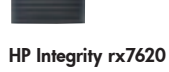
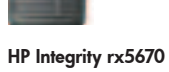
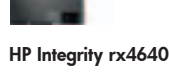
Based on the 1.5 GHz Intel Itanium 2 processor, the 64-way HP Integrity Superdome delivers world-leading performance, operating system flexibility, and simplified management architecture, as well as best-in-class solution deployment—a level of functionality and value well beyond anything else the industry has offered to date. The HP Integrity Superdome has already set world-record benchmark results, demonstrating its performance as the premier high-end server. And, the HP Integrity Superdome is ideally suited to heterogeneous environments—it offers unprecedented multiple-operating-system capability, allowing customers to run all of the leading OSs (HP-UX 11i, Linux, Windows and [in the future] OpenVMS) on the same system, even concurrently in a consolidated environment. The HP Integrity Superdome provides the best of both worlds—world-class, record-setting performance, and multi-OS flexibility as well.

By making this all possible via in-chassis processor upgrades to existing HP 9000 Superdome systems, HP delivers unprecedented investment protection and a better return on IT. The HP Integrity Superdome delivers a significant performance increase over the existing PA-8700+ Superdome, plus it offers 512 GB of memory capacity for running even larger enterprise and technical computing applications. Its new cell board design and the accompanying sx1000 Chipset enable this record-breaking performance and also deliver enhanced high-availability features.

For more information

To learn more, visit www.hp.com/go/integrity.

HP Integrity family at-a-glance



HP Integrity rx2600

HP Integrity rx4640

HP Integrity rx5670

HP Integrity rx7620

HP Integrity rx8620

HP Integrity Superdome

CPUs supported	Intel Itanium 2 processor (1.3 GHz/1.5 GHz)	Intel Itanium 2 processor (1.3 GHz/1.5 GHz)	Intel Itanium 2 processor (1.3 GHz/1.5 GHz)	Intel Itanium 2 processor (1.3 GHz/1.5 GHz)	Intel Itanium 2 processor (1.3 GHz/1.5 GHz)	Intel Itanium 2 processor (1.5 GHz)
Number of processors	1–2	1–4	1–4	2–8	2–16	2–64
Internal storage bays	3	2	4	4	4 (8 with SEU*)	N/A
Operating systems supported	HP-UX 11i v2; Microsoft® Windows® Server 2003, Enterprise Edition; Red Hat Enterprise Linux AS 2.1 and 3; SuSE Linux Enterprise Server 8 powered by UnitedLinux; OpenVMS v8.1 Evaluation Release	HP-UX 11i v2; Microsoft Windows Server 2003, Enterprise Edition (1H2004); Red Hat Enterprise Linux AS 2.1 and 3; SuSE Linux Enterprise Server 8 powered by UnitedLinux; OpenVMS v8.1 Evaluation Release	HP-UX 11i v2; Microsoft Windows Server 2003, Enterprise Edition; Red Hat Enterprise Linux AS 2.1 and 3; SuSE Linux Enterprise Server 8 powered by UnitedLinux	HP-UX 11i v2; Microsoft Windows Server 2003, Enterprise Edition (1H2004); Red Hat Enterprise Linux AS 3; OpenVMS (2005)	HP-UX 11i v2; Microsoft Windows Server 2003, Enterprise Edition (1H2004); Microsoft Windows Server 2003, Datacenter Edition (1H2004); Red Hat Enterprise Linux AS 3; OpenVMS (2005)	HP-UX 11i v2; Microsoft Windows Server 2003, Datacenter Edition; Red Hat Enterprise Linux AS 3; OpenVMS (2005)
I/O slots	4	6	10	15	16 (32 with SEU*)	192 (with I/O expansion)
nPartitions	N/A	N/A	N/A	1–2	1–2 (1–4 with SEU*)	1–16
Maximum memory	24 GB	64 GB	96 GB	64 GB	128 GB	512 GB
Scalable Processor Chipset	zx1	zx1	zx1	sx1000	sx1000	sx1000
EIA unit height	2	4	7	10	17	N/A
Physical dimensions:						
Height	86 mm (3.4 in.)	173 mm (6.8 in.)	311 mm (12.25 in.)	444.5 mm (17.5 in.)	755.6 mm (29.75 in.)	1,960 mm (77.2 in.)
Width	482 mm (19 in.)	482 mm (19 in.)	482 mm (19 in.)	482 mm (19 in.)	482 mm (19 in.)	1,524 mm (60 in.)
Depth	680 mm (26.8 in.)	690 mm (27.2 in.)	774 mm (30.5 in.)	762 mm (30 in.)	762 mm (30 in.)	1,220 mm (48 in.)
Weight	25 kg (56 lb.)	45.4 kg (100 lb.)	72.6 kg (160 lb.)	99.8 kg (220 lb.)	160.6 kg (354 lb.)	1,196 kg (2,636 lb.)

*SEU = Server Expansion Unit



To learn more, visit www.hp.com.

© 2003 Hewlett-Packard Development Company, L.P. The information contained herein is subject to change without notice. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.

Intel and Itanium are trademarks or registered trademarks of Intel Corporation in the United States and other countries and are used under license. Microsoft and Windows are U.S. registered trademarks of Microsoft Corporation.

5982-1584EN, 09/2003

