



# mission-critical performance for every data center and business environment

You must reduce costs—from procurement to operation and ongoing maintenance, optimize every resource—from people to real estate, and always be ready to adapt to change instantly.

HP servers are designed for the realities of your business environment with the pricing, performance, and expandability that help you always optimize your IT investment.

And nowhere is this more obvious than with servers running HP-UX 11i. You can look to this powerful family for a full range of dependable, adaptable servers to take on your toughest IT tasks now.



## **platform of steel**

Open, flexible, and rock-solid, HP-UX 11i is the operating system for highly reliable, available, business-critical enterprise applications. HP servers running HP-UX 11i have access to more than 1100 ISV applications, and linear scalability with up to 64 processors and beyond. These servers are also 100% binary compatible with the Intel® Itanium® Processor Family to give you the easiest path to the future.

## **platform of choice**

HP servers running HP-UX 11i, Windows®, or Linux offer integrated management tools and infrastructure solutions to ensure the best results in your environment. HP's extensive experience with all three operating systems enables full, effective control over your heterogeneous, dynamic resources with robust availability and security across the entire infrastructure. HP software supports development and deployment, while the HP OpenView suite provides pervasive, painless multiplatform management from a central location.



## the optimum OS

As the OS of choice for running traffic-intensive, mission-critical applications, HP-UX 11i offers a number of robust features—like linear scalability, which enables efficient 1- to 64-way computing within the same architecture, and the industry's best security capabilities for applications that range from telecommunications billing to online business transactions.

Ready to meet your most demanding business needs today, HP-UX 11i is also ready for the future, thanks to 100% binary compatibility with the Intel Itanium Processor Family.

This flexible yet solid HP-UX 11i operating system supports the HP Partitioning Continuum through hardware partitions and virtual partitions that provide multiple HP-UX images and applications in the same server; and it also supports resource partitions with HP-UX 11i Workload Management, which automatically allocates resources and manages performance to meet your prioritized, goal-based objectives.

## quality that's built in

With HP's integrated operating environments, you can choose a complete system that meets your needs and be confident that it will operate seamlessly and reliably in your heterogeneous infrastructure, thanks to common tools and services that make everything run smoothly.

## benefits beyond the box

No matter which HP servers you choose, you can be sure you'll get a lot more than a box. We'll give you a complete solution optimized for today's data center that has the dependability and flexibility your business needs. Servers running HP-UX 11i offer your best solution: from the world's leading management tools and partitioning capabilities that help you consolidate and optimize your data center resources and simplify your heterogeneous environment, to pay-per-use pricing and high-density form factors that allow you to reduce cost and maximize return on investment; from expert services that help you derive the maximum value from your infrastructure, to open standards that keep your options open. Take a look at these models of efficiency to make your best choice.

## fast forward with the Intel Itanium Processor Family

Leadership performance for floating-point calculations and parallel processing capabilities make Itanium-based servers a powerful tool for handling technical, compute-intensive applications. The Intel Itanium Processor Family architecture, co-developed by HP and Intel, gives you an inside edge for making the most of its extraordinary capabilities.

Whether you want to build a clustered solution or port an application, you can trust HP to ease your transition. We'll help you fully utilize the Intel Itanium Processor Family, shorten time-to-implementation, and increase the availability and productivity of your environment with industry-leading services and support, including:

- multiplatform education classes
- planning assistance
- porting and migration assistance
- implementation services
- our HP Guru online services
- closed-loop solution management
- consulting
- proactive and reactive support services

We have partnered with leading application vendors to make sure you get the market-leading solutions that are best for your business. Initial solutions are available in technical computing, secure Web transactions, databases, and business intelligence.

# entry-level rack-optimized servers

These servers are engineered to deliver industry-leading performance for a low price. You'll get high-density, robust management, easy serviceability, and easy upgrades—and that's just for starters.



hp server rp2400 series



hp server rx2600

## reliable, ideal for your growing business

These affordable application servers are an ideal choice for branch office replicated sites. You can also count on them for firewalls, Web hosting, and other Internet infrastructure tasks. Deployed in clusters or single units, these servers will scale horizontally to meet your specific needs.

High availability helps ensure a satisfying customer experience. As your business grows, you can move easily from the HP Server rp2430 to the HP Server rp2470 to increase capacity.

### hp server rp2430

1-way PA-8700  
up to 2GB memory  
2 PCI I/O slots  
1.3GB/s I/O bandwidth

### hp server rp2470

1- to 2-way PA-8700  
up to 8GB memory  
4 PCI I/O slots  
1.9GB/s I/O bandwidth

[www.hp.com/go/rp2400](http://www.hp.com/go/rp2400)

## power your business with high-performance, low-cost Itanium 2-based servers

Jump-start your business with the 2-way HP Server rx2600. With 900MHz or 1GHz Intel Itanium 2 processors and up to 12GB of memory, you gain better performance, improve business processes, and manage your IT more efficiently.

The rx2600 empowers computing users to process more transactions, do more in-depth analysis, run complex models faster, and render high-quality images with optimized performance. Users will run their applications with superior performance, decreased costs, and reduced complexity.

### hp server rx2600

1 to 2 Intel Itanium 2 processors  
up to 12GB DDR memory  
up to 3 hot-plug SCSI disks: 219GB  
8.5GB/s I/O bandwidth

OS: HP-UX 11i v1.6, Windows, Linux

[www.hp.com/go/rx2600](http://www.hp.com/go/rx2600)

# entry-level rack-optimized servers



hp server rp5400 series



hp server rx5670

## flexible, adaptable for demanding entry-level computing

First introduced as the HP 9000 L-Class, this series offers leading performance, built-in management features, and virtual partitioning for optimal resource utilization. The 1- to 2-way HP Server rp5430 has features you'd expect to find in more expensive machines. The 1- to 4-way HP Server rp5470 is a true performance leader right from the start.

Robust scalability makes these servers ideal for Web-based computing. Smooth upgrade paths to even higher performance make them key building blocks in a multi-tiered data center environment.

### hp server rp5430

1- to 2-way PA-8700 or PA-8700+

up to 8GB memory

up to 4 hot-plug SCSI disks: 584GB

6 PCI I/O slots

2.1GB/s I/O bandwidth

### hp server rp5470

1- to 2-way PA-8700 or PA-8700+

up to 16GB memory

up to 4 hot-plug SCSI disks: 584GB

10 PCI I/O slots

3.2GB/s I/O bandwidth

supports vPars

[www.hp.com/go/rp5400](http://www.hp.com/go/rp5400)

## optimize performance with the entry server performance leader

The HP Server rx5670, powered by 2–4 Intel Itanium 2 processors improves price/performance in enterprise HP-UX, Linux, or Windows environments. With 900MHz or 1GHz Intel Itanium processors and up to 48GB of memory, you achieve more performance, improve business processes, and manage your IT more efficiently. Commercial and technical users alike will benefit from even greater performance with the HP Scalable Processor Chipset zx1. Invented by HP, the HP zx1 Chipset fully unleashes the power of the Intel Itanium 2 processor by lowering memory latencies and increasing memory and I/O subsystem scalability.

### hp server rx5670

2 to 4 Intel Itanium 2 processors

up to 48GB DDR memory

up to 4 hot-plug SCSI disks: 584GB

12.8GB/s I/O bandwidth

OS: HP-UX 11i v1.6, Windows, Linux

[www.hp.com/go/rx5670](http://www.hp.com/go/rx5670)

# midrange rack-optimized servers

Loaded with performance features, these workhorse servers are the bedrock of HP's longstanding midrange leadership. You simply can't find a better server value.



hp server rp7410



hp server rp8400

## advanced 8-way computing for business applications

With advantages you'd expect to find in the highest tiers, this 8-way server takes your business solutions to greater heights for a lower price. It's designed for compute-intensive applications such as advanced SCM, ERP, business intelligence, CRM, e-commerce, and telco billing. Dependability is a given with the consistent performance and best midrange high availability of any 8-way server. Efficiency is assured with the industry's lowest operational costs and high density for maximum power per square foot. And adaptability is built-in with best-in-class provisioning, plus in-box upgrades to protect your investment over the long term.

### hp server rp7410

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2- to 8-way PA-8700 or PA-8700+

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up to 32GB memory

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15 PCI I/O slots + 2 core I/O

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8.5GB/s I/O bandwidth

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supports nPars

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[www.hp.com/go/rp7410](http://www.hp.com/go/rp7410)

## high-density, 16-way server for compute-intensive tasks

This powerful, affordable server fills a major need in the midrange space. Ideal for enterprises, service providers, and global e-marketplace data centers, the scalable and flexible HP Server rp8400 handles compute-intensive applications with ease at a low total cost of ownership. It boasts record-breaking density with two servers per industry-standard two-meter rack.

Plus, it offers the richest set of high-availability features, as well as industry-leading partitioning and goal-based workload management capabilities. In-box upgrades to the Intel Itanium Processor Family provide unprecedented investment protection.

### hp server rp8400

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2- to 16-way PA-8700 or PA-8700+

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up to 64GB memory

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16 PCI I/O slots + 2 core I/O

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8.5GB/s I/O bandwidth

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supports nPars

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[www.hp.com/go/rp8400](http://www.hp.com/go/rp8400)

# high-end super-scalable servers

These powerful, agile, and highly reliable servers are designed to take on today's toughest computing tasks. Built to scale cost-effectively, they also reflect HP's high-availability expertise to bring maximum uptime to your mission-critical operations.



hp superdome



## raising the bar for high-end performance

HP Superdome is the top performer in the high-end server marketplace. It's engineered to meet the specific demands of large-scale applications and databases, including online transaction processing, enterprise resource planning, data warehousing, systems consolidation, billing, and scientific/technical computing.

Utility pricing makes HP Superdome a practical solution for service providers with unpredictable and rapidly changing needs. And for the easiest path to the future, HP Superdome is upgradable to the newest Intel Itanium processor technologies.

### What other server can give you all this?

- unmatched total customer experience
- highest performance and scalability
- industry's broadest partitioning offering
- unprecedented high availability
- broad connectivity solutions
- maximum investment protection

### hp superdome servers

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#### 1- to 16-way PA-8700 or PA-8700+

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up to 64GB memory

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48 PCI I/O slots

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8GB/s I/O bandwidth

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supports nPars

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#### 1- to 32-way PA-8700 or PA-8700+

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up to 128GB memory

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96\* PCI I/O slots

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16GB/s I/O bandwidth

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supports nPars

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#### 8- to 64-way PA-8700 or PA-8700+

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up to 256GB memory

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192\* PCI I/O slots (with I/O expansion cabinet)

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32GB/s I/O bandwidth

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supports nPars

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\*with I/O expansion cabinet

[www.hp.com/go/superdome](http://www.hp.com/go/superdome)

# optimize your data center resources for a lower TCO

## **reducing complexity**

HP-UX servers come with built-in management tools to make your job easier. HP OpenView, the world's leading management software, empowers you to optimize your heterogeneous environment, end to end. Integrated service management automates the service lifecycle to maximize your revenue. And, for the ultimate dependability of your critical systems, HP's business continuity solutions keep your infrastructure running with high-availability software, disaster-tolerant clustering solutions, and high-availability storage.

## **better choices**

The robust family of servers running the HP-UX 11i platform gives you a broad choice of performance levels so that you can choose the best solution for your needs and get the best value. On an enterprise-wide level, we'll help you reduce expenses with systems consolidation solutions that streamline your infrastructure and help optimize your investment. And HP's utility solutions, including pay-per-use pricing and instant capacity on demand, will extend your capabilities without breaking your budget.



## **adapting to change**

IT won't stand still. So it's good to know HP won't lock you in. Servers running HP-UX 11i keep your options open with easy migrations to higher performance, including in-box upgrades to future PA-RISC and Intel Itanium Processor Family solutions, plus 100% binary compatibility with the next-generation Intel Itanium processor.

## **all from one highly committed partner**

Backed by HP's unparalleled industry partnerships and world-class services and support, HP-UX servers—from entry-level to high-end—are models of efficiency for your IT environment.

# specifications for hp servers

	hp server rp2430	hp server rp2470	hp server rx2600	hp server rp5430	hp server rp5470	hp server rx5670
microprocessors supported	PA-8700 (650MHz)	PA-8700 (650MHz/750MHz)	Itanium 2 processor (900MHz/1.0GHz)	PA-8700 (750MHz)  PA-8700+ (875MHz)	PA-8700 (750MHz)  PA-8700+ (875MHz)	Itanium 2 processor (900MHz/1.0GHz)
number of processors	1	1-2	1-2	1-2	1-4	1-4
min/max memory	128MB/2GB	128MB/8GB	1GB/12GB	256MB/8GB	256MB/16GB	1GB/48GB
PCI slots (max)	2	4	4-PCI-X	6	10	9-PCI-X 1-33MHz PCI
supported operating systems	HP-UX 11, 11i	HP-UX 11, 11i	HP-UX 11i v1.6, Windows, Linux	HP-UX 11i: PA-8700/PA-8700+  HP-UX 11: PA-8700	HP-UX 11i: PA-8700/PA-8700+  HP-UX 11: PA-8700	HP-UX 11i v1.6, Windows, Linux
dimensions	28" D 17" W 3.5" H	28" D 17" W 3.5" H	26.8" D 19" W 3.4" H	30.5" D 19" W 14.5" H	30.5" D 19" W 14.5" H	30.5" D 19" W 12.25" H/7U EIA
power supply	100V-127V; 200V-240V; 50Hz-60Hz	100V-127V; 200V-240V; 50Hz-60Hz	100V-127V; 200V-240V; 50Hz-60Hz	Distributed N+1 power system; 100V-240V; 50Hz-60Hz	Distributed N+1 power system; 100V-240V; 50Hz-60Hz	100V-200V; 50Hz-60Hz
standard warranty	1-year, next-business-day on-site limited warranty from HP or authorized reseller (standard business hours) worldwide. Certain restrictions may apply.	1-year, next-business-day on-site limited warranty from HP or authorized reseller (standard business hours) worldwide. Certain restrictions may apply.	1-year, next-business-day on-site limited warranty from HP or authorized reseller (standard business hours) worldwide. Certain restrictions may apply.	3-years, next-business-day on-site limited warranty from HP or authorized reseller (standard business hours) worldwide. Certain restrictions may apply.	3-years, next-business-day on-site limited warranty from HP or authorized reseller (standard business hours) worldwide. Certain restrictions may apply.	3-years, next-business-day on-site limited warranty from HP or authorized reseller (standard business hours) worldwide. Certain restrictions may apply.



	<b>hp server rp7410</b>	<b>hp server rp8400</b>	<b>hp superdome</b>		
microprocessors supported	PA-8700 (750MHz)  PA-8700+ (875MHz)	PA-8700 (750MHz)  PA-8700+ (875MHz)	PA-8700 (750MHz)  PA-8700+ (875MHz)	PA-8700 (750MHz)  PA-8700+ (875MHz)	PA-8700 (750MHz)  PA-8700+ (875MHz)
number of processors	2–8	2–16	1–16	1–32	8–64
min/max memory	1GB/32GB	2GB/64GB	2GB/64GB	2GB/128GB	16GB/256GB
PCI slots (max)	15	16	48	96*	192*
supported operating systems	HP-UX 11i: PA-8700/PA-8700+	HP-UX 11i: PA-8700/PA-8700+	HP-UX 11i: PA-8700/PA-8700+	HP-UX 11i: PA-8700/PA-8700+	HP-UX 11i: PA-8700/PA-8700+
dimensions	30" D 19" W 17.5" H	30" D 19" W 32.8" H	48" D 30" W 77.2" H	48" D 30" W 77.2" H	48" D 30" W 77.2" H
power supply	Distributed 2N+1 power system; 200V–240V; 50Hz–60Hz	Distributed 2N+1 power system; 200V–240V; 50Hz–60Hz	Distributed N+1 power system; 200V–240V; 47Hz–63Hz	Distributed N+1 power system; 200V–240V; 47Hz–63Hz	Distributed N+1 power system; 200V–240V; 47Hz–63Hz
standard warranty	1-year, next-business-day on-site warranty (standard business hours) worldwide. Certain restrictions may apply.	1-year, same-business-day on-site warranty (standard business hours) worldwide. Certain restrictions may apply.	1-year, 4-hour on-site limited warranty from HP or authorized reseller (standard business hours) worldwide. Certain restrictions may apply.	1-year, 4-hour on-site limited warranty from HP or authorized reseller (standard business hours) worldwide. Certain restrictions may apply.	1-year, 4-hour on-site limited warranty from HP or authorized reseller (standard business hours) worldwide. Certain restrictions may apply.

\*with I/O expansion cabinet



**for more information**

HP product information and technical documentation is available online at:

<http://www.hp.com/go/servers>

<http://www.hp.com/go/rp2400>

<http://www.hp.com/go/rp5400>

<http://www.hp.com/go/rx5670>

<http://www.hp.com/go/rp7410>

<http://www.hp.com/go/rp8400>

<http://www.hp.com/go/superdome>

Contact any of our worldwide sales offices or HP Channel Partners (in the U.S., call 1-800-637-7740) or at the following international numbers:

**United States of America:**

+1 800 637 7740

**Canada:**

Hewlett-Packard Ltd.  
5150 Spectrum Way  
Mississauga, Ontario L4W 5G1  
+1 905 206 4725

**Japan:**

Hewlett-Packard Japan, Ltd.  
Japan Country H.Q.  
3-29-21, Takaido-Higashi, Suginami-ku,  
Tokyo, 160-8585 Japan  
+81 3 3331 6111

**Latin America:**

Hewlett-Packard  
Latin American Region Headquarters  
Waterford Building, 9th Floor  
5200 Blue Lagoon Drive  
Miami, Florida 33126 USA  
+1 305 267 4220

Refer to country phone numbers

**Australia/New Zealand:**

Hewlett-Packard Australia Ltd.  
31-41 Joseph Street  
Blackburn, Victoria 3130  
Australia (A.C.N. 004 394 763)  
+61 3 9272 2895

**Asia Pacific:**

Hewlett-Packard Asia Pacific Ltd.  
17-21/F, Shell Tower  
Times Square  
1 Matheson Street  
Causeway Bay  
Hong Kong:  
+8522 599 7777

**Europe/Africa/Middle East:**

Hewlett-Packard S.A.  
150, Route du Nant-d'Avril  
CH-1217 Meyrin 2  
Geneva, Switzerland  
+41 22 780 81 11  
European Multicountry:  
+41 22 780 81 11  
Middle East and Africa:  
+41 22 780 71 11  
European Headquarters:  
+41 22 780 81 81

For direct country contact call:

**Argentina:** +541 787 7145

**Austria:** +43 1 25 000 0

**Belgium and Luxembourg:**  
+32 2 778 31 11

**Brazil:** +5511 7296 8000

**Chile:** +562 203 3233

**Colombia:** +571 629 5030

**Denmark:** +45 45 99 10 00

**East Central Europe, CIS, and  
Yugoslavia:**  
+43 1 25 000 0

**Finland:** +358 9 887 21

**France:** +33 1 69 82 60 60

**Germany:** +49 7031 140

**Greece:** +30 1 689 644

**Hungary:** +36 1 252 7300

**Iceland:** High Performance Systems hf.  
+354 1 67 10 00

**Ireland:** +353 1 615 8200

**Israel:** Computation and Measurement  
Systems (CMS) Ltd. +972 3 5380 333

**Italy:** +39 2 92122770

**Mexico:** +525 326 4600

**Netherlands:** +31 20 547 6911

**Norway:** +47 22 7356 00

**Poland:** +48 22 608 77 00

**Portugal:** +351 1301 7343

**Russia and the CIS, excl. Ukraine:**  
+7 095 923 5001

**Slovenia:** +38 61 55 84 72

**Spain:** +34 1 631 1600

**Sweden:** +46 8 444 2000

**Switzerland:** +411 735 7111

**South Africa:** Hewlett-Packard  
South Africa (Pty) Ltd.  
+27 11 806 785 1000

**Turkey:** +90 212 224 5925

**United Kingdom:** +44 1344 369231

**Venezuela:** +582 239 4133

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