

**hp servers  
rp2430 and rp2470  
data sheet**



UNIX<sup>®</sup> functionality at the price  
of a PC server

**for jobs that need plenty of performance in a compact,  
self-contained unit but don't require back-office big iron,  
these servers are ready**

The HP Servers rp2430 and rp2470 are perfect for distributed sites and branch office locations of large enterprises, and for use in small and medium-sized businesses. With the HP rp2430 and rp2470, you gain all the functionality and robustness of a UNIX server at the price of a PC server platform.

The HP rp2430 and rp2470 servers evolved from the popular HP 9000 A-class. HP's rp2400 series servers pack more performance and capability in the same compact package.



## designed for optimal performance

With the performance afforded by one or two PA-8700 RISC processors running at 650 or 750MHz, and memory of up to 8GB, the HP Server rp2400 series can take any business application job and get it done quickly. Each server has two internal disks and a maximum storage capacity of 146GB. Plus, with up to four I/O slots that accept 64-bit cards and run at 66MHz, and with support for the robust HP-UX operating system, the HP rp2400 series is perfect for workloads requiring high availability and superior bandwidth.

## affordable to acquire, economical to operate

Even with all their capability, these servers are remarkably cost-effective, boasting attractive price points that provide unprecedented value. They're economical to operate, too, thanks to a small 2U (3.5-inch) size that saves data center space and lets you pack 20 servers (and 40 processors) into a standard rack.

## remarkably easy to deploy and manage

The HP Server rp2400 family is easy to deploy, which ensures faster time-to-revenue. And HP systems and network management capabilities help reduce operating costs. For instance, tools like the integrated HP Secure Web Console for Web-based management provide a wide range of single-system and multi-system management features. And to help ensure high uptime, the rp2430 and rp2470 have high availability built in, including HP's Extended Fault Management System for the ultimate in error detection and avoidance.

## bolstered by the most reliable OS around

The capabilities of HP's rp2400 servers are further bolstered by HP-UX 11i, the robust Internet-ready operating system that provides an unparalleled degree of maturity and quality. HP-UX 11i includes extensive high-availability features like Dynamic Processor Resilience (DPR) and Dynamic Memory Resilience (DMR). It also has security features such as IDS/9000 intrusion detection and Kerberos authentication. Moreover, HP-UX 11i features a number of important tools for easy deployment and manageability, including HP's Event Monitoring Service.



## with solutions for today's business requirements

Whether you're looking to extend your business reach, to serve your customers better and improve knowledge of their buying behavior, or simply to run your business more efficiently, HP has the leading-edge enterprise and Internet solutions that make it possible. And the HP rp2400 series servers, coupled with products from selected partners, are especially well-suited to many popular application areas, as shown on the right.

**broadband**—Improve customer and internal communications by streaming media in real time over the Internet to satisfy the growing demand for access to rich content. The rp2400 series appeals to broadband providers because:

- the compact form factor and choice of standalone or racked configuration make it ideal for remote locations and branch environments.
- the large memory capabilities and high I/O bandwidth are perfect for the demands of streaming media.

**CRM**—Increase the effectiveness of your sales and services organizations by transforming raw sales data into accessible and useful customer information. If you're doing customer relationship management (CRM), the rp2400 series is an excellent solution because:

- at this price point it's the perfect answer to replicating many application servers for branch office use.
- large memory can handle large amounts of data, yielding great performance and fast response times.

**mobile e-services**—Extend fixed location enterprise information to provide anytime, anywhere access to mobile users. The rp2400 series shines in mobile e-services applications because:

- high reliability and performance provide the fast response and availability that always-on mobile customers demand.
- high I/O bandwidth translates into high throughput between distributed locations.

**technical computing**—Run smart solutions for chemical and pharmaceutical research, electronic design automation (EDA), mechanical computer-aided engineering (MCAE), and product data management (PDM). The rp2400 series is a great choice for technical computing because:

- large memory handles multiple applications and lots of data with ease.
- fast processor speed and high I/O bandwidth means high throughput for heavy-duty computing.

# hp server rp 2400

## features and benefits at a glance

| features  | benefits  |
|---|---|
| rp2430: 1 64-bit 650MHz PA-8700 CPU with 2.25MB on-chip cache   | The power of two of today's highest performing RISC processors delivers better performance, faster response times, and the ability to handle more simultaneous users  |
| rp2470: 1 or 2 64-bit 650MHz PA-8700 or 750MHz PA-8700 CPUs with 2.25MB on-chip cache   |   |
| Up to 2GB (rp2430) or 8GB (rp2470) SDRAM memory, with advanced error checking and connecting (ECC) protection   | Large memory supports more applications, richer Internet transactions, and massive streaming capabilities   |
| 2U (3.5-inch) form factor with up to 20 servers/40 processors per rack; also available in standalone configuration  | Outstanding performance density and optimal use of floor space delivers greater revenue per square foot and lowers facilities costs   |
| Aggressive low price and industry-leading performance   | Provides better server economics for distributed application workloads  |
| Four robust, secure, Internet-ready HP-UX 11i operating environments, each tailored to a specific set of computing requirements   | Deliver the world's best computing solution for enterprise or Internet-focused users and also for distributed applications and sites; simplify the chore of choosing and configuring an OS                  |
| Integrated HP Secure Web Console for Web-based management   | Provides complete single-system and multi-system administration capabilities, including a range of security features, from any browser-based PC   |
| Built-in fault management system with separate support processor and bus; HP's event monitoring service (EMS), integrated with HP MC/Serviceguard; and multivendor enterprise management software products, including HP's OpenView | Provide superior system uptime through constant, proactive fault avoidance, detection, and notification; monitors power, cooling system hardware, processors, memory, HP-UX resources, and external storage |
| Up to 2 (rp2430) and 4 (rp2470) 64-bit, 66MHz PCI I/O slots   | Enable better performance for high-bandwidth applications such as video streaming   |
| Pretested and preconfigured solutions   | Enable faster time-to-revenue with world-class solutions created by HP's industry-leading partners, pretested and ready to go; get customers up and running fast with less staff                            |
| Flexible financing options  | Make initial ownership easy and improve your cash position; also make modular growth affordable now and into the future   |
| Tools for quick installation, including HP Ignite/UX and LAN boot   | Lower administration costs and decrease your time-to-revenue  |
| Comprehensive portfolio of services, including deployment services and proactive and reactive support   | Minimizes time-to-productivity and maximizes system availability  |

| specifications                            | rp2430   | rp2470                        |
|---|--|-------------------------------|
| HP PA-RISC processor                      | 650MHz PA-8700   | 650MHz PA-8700/750MHz PA-8700 |
| Number of processors                      | 1 CPU  | 1 to 2 CPUs                   |
| Supported operating systems               | HP-UX 11.0 and 11i   | HP-UX 11.0 and 11i            |
| Minimum/maximum memory                    | 128MB/2GB  | 128MB/8GB                     |
| On-chip cache (data/instructions) per CPU | 1.5MB/750KB (2.25MB total)   | 1.5MB/750KB (2.25MB total)    |
| Total I/O (PCI) slots                     | 2 (64-bit, 66MHz)  | 4 (64-bit, 66MHz)             |
| Internal disks                            | 2  | 2                             |
| Physical dimensions                       | 3.5 x 28 x 17 inches   | 3.5 x 28 x 17 inches          |
| Maximum internal disk capacity            | 146GB  | 146GB                         |
| I/O bandwidth                             | 1.3GB/s  | 1.9GB/s                       |
| Memory bus bandwidth                      | 1.9GB/s  | 1.9GB/s                       |
| Standard I/O features                     | Ultra SCSI, Ultra2 SCSI, 100Base-T LAN, RS-232 ports for console and UPS connections, 10Base-T management LAN  |                               |
| Supported I/O connectivity                | Ultra160 SCSI LVD (single and dual port), FWD SCSI (single and dual port), Fibre Channel, Gigabit Ethernet, 100Base-TX (single and quad port), 100Base-FX, ATM 155Mbps (MMF, UTP-5), ATM 622Mbps (MMF), FDDI Dual Attach LAN, 100Mbps Token Ring, X.25/FR/SDLC (dual port), asynchronous ports (8- and 16-port), RAID (4-channel), and 2D graphics |                               |

### from the company that helps you evolve

HP helps you evolve intelligently and rapidly. Besides the best set of servers for your applications, we can offer a wide range of programs and services that help make the most of your technology investment over the lifetime of your HP Server rp2430 or rp2470.

HP Services provides consulting, applications porting and migration, deployment, and even outsourcing to ensure fast, successful implementations and long-lasting value. Education to improve the efficiency and effectiveness of your staff is available in the classroom or via the Web. HP also lets you select the appropriate support level to meet your needs, from Web-based support to mission-critical support services that provide the ultimate in uptime. And HP makes it easy to own rp2400 series servers, thanks to fast-track financing packages like Pay-Per-Forecast, Technology Refresh, and IT Project Finance.

### for more information

For more information contact any of our worldwide sales offices of HP Channel Partners (in the U.S. call 1-800-637-7740) or visit our server Web site at <http://www.hp.com/go/rp2400>

### order online now

HP product information and technical documentation is available online! With HP's configuration tools it's a snap to configure your ideal solution, print out configs, and place the order—all online.

