



**Hewlett-Packard Company
Business Services Technology Organization
8000 Foothills Blvd
Roseville, CA, USA 95747**

product description Model: HP Servers rp 8400, rp 7400, rp 7410, rx 4610, rx 9610, rp 2400

	rp 8400 Keystone	rp 7400 Pikes Peak	rp 7410 Matterhorn	rx 4610 Ironman	rx 9610 Nike	rp 2400 Harmony
Product Number(s)	A6093A	A3639C	A6752A	A6153A, A6447A	A6754A	A6889A, A6890A
Height (cm)	75.5	44.5	43.9	31.1	180	8.9
Width (cm)	48.2	48.2	44.5	44.4	60	43.2
Depth (cm)	76.2	81.2	76.0	81.2	104	70.5
Weight (kg)	161 not in rack	90.0	95.4	68.1	408.4	22.7
Energy Consumption - watts * (Maximum Theoretical * Maximum Actual * Typical Configuration, Actual Power Dissipation)	5,045 2,920 1,675	3,000 2,200	3,000 2,150 1,050	4,196	5,015 3,031	600 275 225
Acoustical Noise (sound power max @ 30C- bels)	7.5	7.5	7.7	6.7	7.2	6.6
Plastic packaging marked according to DIN 6120	No	Yes	No	No	Yes	No
Packaging (kilograms)						
Corrugated	8.5	5.2	5.4	7.8	3.2	2.4
Wood	14.7	11.4	14.7	8.7	40.0	
Plastic- PET						
Plastic - Polyethylene	1.3		1.2	1.1	3.0	
Plastic - Polypropylene		0.6				0.33
Plastic - Polystyrene						
Plastic - Other						
Metal					2.0	
Other						
Plastic Bezel Resin Flame retardant	ABS, GPM 5500	ABS/PC Arial Phosphate	ABS, GPM 5500	n/a	n/a	ABS/PC
Battery- (Manufacture Part #) (HP Part #) Lithium - Button, Removable, 3volt, 3 gram, Location - Cell and/or I/O board, No Hg or Cd	Mats. CR2032 1420-0356 quantity = 6	Sony CR2032 1420-0356 Pan. CR2330 1420-0386	Renata CR2032 1420-0356 quantity = 4	Max. CR 2032 1420-0356	Sanyo CR2450 E6392-61001 6 grams	CR2032 1420-0356 CR2330 1420-0386

environmental certifications

These products conform to the following voluntary environmental program criteria:

- NITO Declaration

warranty, service & options

Standard Warranty: 1-3 years

Extended Warranty: Additional coverage is available via support contract

Spare Parts Available: 3 years after end of production

Service Available: 3 years after end of production

The product can be upgraded, or its useful life extended by upgrading the following subsystems:

- Memory
- Network Connectivity
- Processors
- PCI cards (rx 4610 only)
- Power supplies (not rp 2400)
- Mass storage devices
- System Board (not rx 9610, rx 4610 or rp 2400)

operational data

See table on page 1

product restricted materials

The information in this section refers to materials restricted by regulation or law and applies to parts, components and products sold by hp. This product does **not** contain:

- Asbestos
- Cadmium as a stabilizer, coloring agent or surface coating treatment. The total concentration of cadmium in any part, component or material in this product is ≤ 50 mg/kg.
- Lead carbonates or sulfates are not contained in any paint applied.
- Mercury (except lamps containing less than 10 mg)
- Chlorofluorocarbons (CFCs), halons, HCFCs, HBFCs, 1,1,1 trichloroethane, carbon tetrachloride or methyl bromide.
- Chlorinated or brominated dioxins or furans are not present at a concentration that is currently prohibited by law.
- Polychlorinated biphenyls (PCB) or polychlorinated terphenyls (PCT).

For additional product material information about this product, see "additional product materials" below. For product material information for associated batteries and packaging, see "batteries" and "packaging", below.

additional product materials

- Plastic parts do not contain polybrominated biphenyls (PBBs) or polybrominated biphenyl ethers (PBBEs) (also known as polybrominated biphenyl oxides (PBBOs)).
- Halogenated flame-retardants are not used in the housing plastics.

batteries

- The batteries contained in or supplied by Hewlett-Packard for this product (choose the appropriate statement ending) do not contain mercury or cadmium.
- See table on page 1

packaging

- Packaging materials do not contain lead, mercury, cadmium or hexavalent chromium as an intentionally added element. The sum concentration of incidental lead, mercury, cadmium and hexavalent chromium in the packaging for this product is less than 100mg/kg.
- No chlorofluorocarbons (CFCs), halons, HCFCs, HBFCs, 1,1,1 trichloroethane, carbon tetrachloride or methyl bromide are used in plastic foam packaging materials.
- Plastic packaging materials are marked according to ISO 11469 and DIN 6120 standards.

Made from recycled paper. Actual proportions of recycled content will vary depending on geographic location.

HP designs packaging to be recyclable where practical. The recyclability of the packaging depends on the availability of municipal recycling programs for the packaging used.

- To ensure compliance with local packaging take-back requirements, in the following European countries, HP is a member of a packaging recovery scheme. Some countries are operating a "Green Dot" system as indicated.

Countries with Green Dot systems

- Austria (ARA)
- Belgium (Fostplus: consumer products) (Val-I-Pac: professional products)
- France (Eco-Emballages)
- Germany (DSD)
- Ireland (Repak)
- Portugal (Punto Verde SA)
- Spain (Ecoembes)
- Sweden (Repa Registret)

Countries with no Green Dot system

- Finland (PYR Ltd)
- Italy (Conai)
- Norway (Materialretur)
- Switzerland (SWICO)
- UK (Valpak)

- Some larger HP offices also accept HP product packaging* from customers in countries or areas without local packaging recovery schemes. Contact your local HP sales office for more information.

*This does not include packaging that is contaminated or contains dangerous substances, which should be disposed of in accordance with local regulations.

end-of-life management/ recyclability

Hewlett-Packard offers end-of-life hp product return programs in certain geographic areas. To determine if a program is available for this hp product in your area, please refer to our recycling Web site at www.hp.com/go/recycle or contact your nearest hp sales office. Products returned to hp will be recycled, recovered or disposed of in a responsible manner

This hp product is designed to enhance end-of-life disposal options by:

- Marking plastic parts weighing more than 25g according to ISO 11469 international standards
- Eliminating glues and adhesives from product construction where technically feasible
- Using common fasteners
- Including snap-in features
- Use one type of plastics for front bezel (not for rx 4610 and rx 9610)

This hp product contains the following materials that may require special handling at end-of-life:

- Lead in solder
- Lithium ion battery(s) are on the system board

company information

- **Environmental Policy**

Hewlett-Packard Company established an environmental policy in 1992 with the goals of providing products and services that are environmentally sound throughout their lifecycles and conducting its operations worldwide in an environmentally responsible manner. HP has strengthened that commitment with the intent to be the recognized leader in inventing environmentally sustainable solutions for the common good.

- **ISO 14001**

In June 2000 HP achieved ISO 14001 certification—the international standard for environmental management systems—of its worldwide manufacturing operations. Issued by the independent registration firm, Bureau Veritas Quality International (BVQI), this global certification is your assurance that HP's policies, procedures and organization for managing the environmental aspects of our operations meet the voluntary requirements of ISO 14001.

- **Ozone-Depleting Substances**

Hewlett-Packard has eliminated all manufacturing process uses of chlorofluorocarbons (CFCs), HBFCs, halons, 1,1,1 trichloroethane (TCA), carbon tetrachloride and methyl bromide, and we require suppliers to avoid using these chemicals in their manufacturing processes.

for more information

The following information is available online at www.hp.com/go/environment

- More about hp's commitment to the environment
- Material Safety Data Sheets (MSDS) for hp printer supplies
- Environmental profiles for many related hp products
- End-of-life return and recycling programs for selected hp products, depending upon geographic location

The information presented in this document is based largely on the recommendations made by the ECMA Standardizing Information and Communication Systems Technical Committee 38, Technical Report 70, and is believed accurate and reliable for operating HP 9000 Enterprise Servers. Data are the most current available to Hewlett-Packard at the time of preparation and is issued as a matter of information only. No warranty as to accuracy or completeness is expressed or implied. The information in this document is subject to change without notice.

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