



hp procurve switch  
2324

environmental  
profile

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**Hewlett-Packard Company**  
**Network Infrastructure Solutions**  
**8000 Foothills Blvd.**  
**Roseville, CA USA 95747**

## product description

Model: hp procurve switch 2324 (J4818A)

Weight: 2.8 kg

Height: 4.4 cm

Width: 44.2 cm

Depth: 20.5 cm

(Measurements provided are for a non-packaged product)

## environmental certifications

This product conforms to the following voluntary environmental program criteria:

- NITO declaration
- Not applicable

## other features

## warranty, service & options

Standard Warranty: Life time warranty (as long as you own the product)

Extended Warranty: None

Spare Parts Available: 5 years after end of production

Service Available: 5 years after end of production

The product can be upgraded, or its useful life extended as follows:

- Optional Accessories:
  - hp procurve Gigabit-SX transceiver J4131A;
  - hp procurve Gigabit-LX transceiver J4132A;
  - hp procurve switch Gigabit stacking kit J4116A;
  - hp procurve 100/1000-T transceiver J4834A;
  - hp procurve 100-FX transceivers J4853A

## operational data

Operational Mode: Sending and receiving data on all ports

### Energy Consumption:

Operation:	36 W
Off:	Not applicable

**Acoustical Noise:** (declared sound power ( $L_{wAd}$ ) per ISO 7779/ISO 9296)

Operation:	5.9 bels
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## product safety information

For chemical information about related hp printer supplies, please refer to Material Safety Data Sheets for these products at: <http://www.hp.com/go/msds>

## 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  $\leq 50$  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

1. This product does not contain batteries.

## 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.

### External:

Corrugated Carton<sup>1</sup> Weight: 0.725 kg

### Internal:

Molded Pulp End cap<sup>1</sup> Weight: 0.060 kg

C-Shape foam<sup>2</sup> Weight: 0.067 kg

Plastic Bag<sup>3</sup> Weight: 0.020 kg

1. e.g., Made from recycled paper. Actual proportions of recycled content will vary depending on geographic location.
2. 2.2 pcf polyethylene laminated. Reuse 25%
3. Polyethylene resin with antistatic additive. Reuse 100%

Hp designs packaging to be recyclable where practical. The recyclability of the packaging alone, when not used to return a cartridge for recycling depends on the availability of municipal recycling programs and on the packaging design.

- Hp customers in European Union (EU) countries who wish to recycle hp product packaging should return it to local packaging recovery schemes. The package is registered with the third-party recycling programs in the countries listed below to meet local packaging recycling laws.
- The European package is marked with the Green Dot symbol (Der Grüne Punkt) to signify participation in these package recovery programs.
  - Germany (DSD)
  - France (Eco-Emballage)
  - Austria (ARA)
  - Belgium (Fost Plus)
  - Sweden (Repa Registret)
  - Luxembourg (Valorlux)
  - Netherlands (SVM)
  - Italy (Conai)
  - UK (Valpack)
  - Ireland (Repak)
  - Spain (Ecoembes)
  - Portugal (Punto Verde SA)
  - Finland (PYR)
- 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 <http://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

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

- Lead in solder

For recycling information, you can contact [www.hp.com/go/recycle](http://www.hp.com/go/recycle) or contact your local authorities or the Electronics Industries Alliance: [www.eiae.org](http://www.eiae.org).

- **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 to conduct 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, six months ahead of schedule, 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 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 manufacturing processes.

The following information is available online at <http://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

## company information

## for more information

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 procure swich 2324 (J4818A). 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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