

## ProCurve Switch 2124 (J4868A)

The ProCurve Switch 2124 is a low-cost, unmanaged 24-port switch with 10/100 auto-sensing per port and 1 open transceiver slot for a 100Base-FX uplink. The ProCurve Switch 2124 offers HP/IEEE Auto-MDIX on all 10/100 ports.



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# ProCurve Switch 2124

## Features and benefits

- **24 auto-sensing 10/100 ports:** high-performance switching
- **1U form factor:** the industry's most frequently requested size
- **Full scalability:** optional 100Base-FX fiber-optic (full duplex bandwidth) transceiver enables low-cost uplink connectivity into a wiring closet up to 2 km away
- **HP/IEEE Auto-MDIX:** automatically adjusts for straight-through or crossover cables on all 10/100 ports
- **Unmanaged:** provides plug-and-play simplicity
- **Use on desktop or rack mounted:** quiet operation enables flexible use
- **Low-cost/high-performance:** combines affordability, scalability, and ease-of-use
- **Lifetime warranty:** for as long as you own the product, with next-business-day advance replacement (available in most countries)

## Services

- 3-year, 4-hour onsite, 13x5 coverage for hardware (H5484A/E)
- 3-year, 4-hour onsite, 24x7 coverage for hardware (U6300A/E)
- Installation with minimum configuration, system-based pricing (U4826A/E)
- Installation with HP-provided configuration, system-based pricing (U4830A/E)

Check [www.hp.com/go/procurveservices](http://www.hp.com/go/procurveservices) for part numbers and service-level descriptions. For details about services and response times in your area, please contact your local HP sales office.

## Specifications

### Ports

24 RJ-45 10/100 ports (IEEE 802.3 Type 10Base-T, IEEE 802.3u Type 100Base-TX)  
1 open transceiver slot

### Physical characteristics

Dimensions  
17.4 x 8.0 x 1.8 in. (44.2 x 20.32 x 4.57 cm) (1U height)  
Weight  
8.25 lb. (3.71 kg)

### Memory

Packet buffer size: 768 KB

### Mounting

Mounts in a standard 19 in. rack (hardware included)

### Performance

Latency: <8.5  $\mu$ s (LIFO)  
Switching capacity: 2.6 Gbps  
Address table size: 4,096 entries

### Environment

Operating  
– Temperature: 32°F to 131°F (0°C to 55°C)  
– Relative humidity: 15% to 95% at 104°F (40°C), non-condensing  
Non-operating/Storage  
– Temperature: –40°F to 158°F (–40°C to 70°C)  
– Relative humidity: 90% at 149°F (65°C), non-condensing  
Shock: HP759, HP760 (similar to EN 60068 IEC 68)  
Acoustic: ISO 7779, DIN EN 27779 compliant (4.2 Bels)

### Electrical characteristics

Max BTUs: 341 BTU/hr  
Voltage: 100–240 VAC  
Current: 1.0 A  
Power: 100 W  
Frequency: 50/60 Hz

### Safety

cUL (CSA 950); EN 60950/IEC 60950; NOM-019-SCFI-1994; UL 1950 3rd edition

### Emissions

FCC Class A; EN 55022/CISPR-22 Class A; VCCI Class A

### Immunity

Generic: EN 50082-1  
EN: 55024/CISPR 24  
ESD: IEC/EN 61000-4-2; 4 kV CD, 8 kV AD  
Radiated: IEC/EN 61000-4-3; 3V/m  
EFT/Burst: IEC/EN 61000-4-4; 1.0 kV (power line), 0.5 kV (signal line)  
Surge: IEC 61000-4-5; 1 kV/2 kV AC  
Conducted: IEC 61000-4-6; 3V  
Power frequency magnetic field: IEC 61000-4-8; 1A/m, 50 or 60 Hz  
Voltage dips and interruptions: IEC 61000-4-11, >95% reduction, 0.5 period; 30% reduction, 25 periods  
Harmonics: EN 61000-3-2/IEC 61000-3-2  
Flicker: EN 61000-3-3/IEC 61000-3-3

### Standards and protocols

IEEE 802.3X Flow Control

## Accessories

### ProCurve 100-FX SC Transceiver (J4853A)

# ProCurve Transceivers



## ProCurve 100/1000-T Transceiver (J4834A)

### Ports

One auto-sensing 100/1000 port (IEEE 802.3u 100Base-TX and IEEE 802.3ab 1000Base-T)

Connector: RJ-45

Duplex:

- 100Base-TX: half or full
- 1000Base-T: full

### Physical characteristics

Dimensions: 3.8 x 2.05 x 0.95 in. (9.65 x 5.21 x 2.41 cm)

Weight: 0.11 lb. (0.05 kg)

### Cabling

Type:

- 100Base-TX: Category 5 (or better), 100  $\Omega$  differential unshielded twisted pair (UTP) or shielded twisted pair (STP), complying with IEEE 802.3u 100Base-TX
- 1000Base-T: Category 5 (5E or better recommended), 100  $\Omega$  differential 4-pair unshielded twisted pair (UTP) or shielded twisted pair (STP) balanced, complying with IEEE 802.3ab 1000Base-T

Maximum distance: 100 m



## ProCurve 100-FX SC Transceiver (J4853A)

### Ports

One 100Base-FX (IEEE 802.3u Type 100Base-FX)

Connector: SC

Duplex: half or full (full duplex only when installed in unmanaged switches)

### Physical characteristics

Dimensions: 3.8 x 2.05 x 0.95 in. (9.65 x 5.21 x 2.41 cm)

Weight: 0.09 lb. (0.04 kg)

### Cabling

Type: 62.5/125  $\mu\text{m}$  or 50/125  $\mu\text{m}$  (core/cladding) diameter, graded-index, multimode fiber-optic, complying with ITU-T G.651 and ISO/IEC 793-2 Type A1b or A1a, respectively

Maximum distance: 2 km (full-duplex) or 412 m (half-duplex)

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## Used with the following

**ProCurve Switch 4108gl Bundle (J4861A)**

**ProCurve Switch gl Transceiver Module (J4864A)**

**ProCurve Switch 2524 (J4813A)**

**ProCurve Switch 2512 (J4812A)**

**ProCurve Switch 2324 (J4818A)**

**ProCurve Switch 2312 (J4817A)**

**ProCurve Switch 2124 (J4868A)**—only the ProCurve 100-FX SC Transceiver (J4853A)