



HP ProCurve Switch 2124

Product overview

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

Key features

- Unmanaged plug-and-play operation
- 24 10/100 ports
- One transceiver slot for 100Base-FX connectivity
- Rack mountable with included hardware
- Industry-leading warranty

Features and benefits

Industry-leading warranty



Connectivity

- **24 auto-sensing 10/100 ports:** provide high-performance switching
- **ProCurve Auto-MDIX:** automatically adjusts for straight-through or crossover cables on all 10/100 ports
- **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

Performance

- **Low-cost/High-performance:** combines affordability, scalability, and ease of use

Ease of use

- **Unmanaged:** provides plug-and-play simplicity
- **Use on desktop or rack-mounted:** quiet operation enables flexible use
- **1U form factor:** the industry's most frequently requested size

Warranty and support

- **ProCurve Lifetime Warranty:** for as long as you own the product, with next-business-day advance replacement (available in most countries).
- **Electronic and telephone support:** limited electronic and telephone support is available from HP. Refer to the HP Web site at www.procurve.com/support for details on the support provided and the period during which support is available.

◆ For as long as you own the product, with next-business-day advance replacement (available in most countries). The following hardware products and their related series modules have a one-year hardware warranty with extensions available: HP ProCurve Routing Switch 9300m Series, HP ProCurve Switch 8100fi Series, HP ProCurve Network Access Controller 800, and HP ProCurve DCM Controller. The following hardware mobility products have a one-year hardware warranty with extensions available: HP ProCurve M111 Client Bridge, HP ProCurve MSM3xxR Access Points, HP ProCurve MSM7xx Mobility and Access Controllers, HP ProCurve RF Manager IDS/IPS Systems, HP ProCurve MSM Power Supplies, HP ProCurve 1-Port Power Injector, and HP ProCurve CNMS Appliances. Disk drives in the HP ProCurve ONE Services z1 Modules have a five year hardware warranty. Standalone software, upgrades, or licenses may have a different warranty duration. For details, refer to the ProCurve Software License, Warranty, and Support booklet at www.procurve.com/warranty.

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Specifications

HP ProCurve Switch 2124 (J4868A)

Ports	24 auto-sensing 10/100 ports (IEEE 802.3 Type 10Base-T, IEEE 802.3u Type 100Base-TX); Media Type: Auto-MDIX; Duplex: half or full 1 open transceiver slot
Physical characteristics	
Dimensions	8.0(d) x 17.4(w) x 1.8(h) in. (20.32 x 44.2 x 4.57 cm) (1U height)
Weight	8.25 lb. (3.74 kg), Fully loaded
Memory and processor	768 KB
Mounting	Mounts in a standard 19 in. rack (hardware included)
Performance	
Latency	< 8.5 μ s (LIFO)
Switching capacity	2.6 Gbps
MAC address table size	4,096 entries
Environment	
Operating temperature	32°F to 131°F (0°C to 55°C)
Operating relative humidity	15% to 95% @ 104°F (40°C), non-condensing
Non-operating/Storage temperature	-40°F to 158°F (-40°C to 70°C)
Non-operating/Storage relative humidity	90% @ 149°F (65°C), non-condensing
Shock and vibration	HP759, HP760 (similar to EN 60068 IEC 68)
Acoustic	Power: 42 dB; DIN 27779 per ISO 7779
Electrical characteristics	
Maximum heat dissipation	341 BTU/hr (360 kJ/hr)
Voltage	100-240 VAC
Current	1.0 A
Power consumption	100 W
Frequency	50 / 60 Hz
Notes	Maximum power rating and maximum heat dissipation are the worst-case theoretical maximum numbers provided for planning the infrastructure with fully loaded PoE (if equipped), 100% traffic, all ports plugged in, and all modules populated.
Safety	cUL (CSA 950); EN 60950/IEC 60950; NOM-019-SCFI-1994; UL 1950 3rd edition
Emissions	FCC Class A; VCCI Class A; EN 55022/CISPR 22 Class A
Immunity	
Generic	EN 55024, CISPR 24
EN	EN 55024, CISPR 24
ESD	IEC 61000-4-2; 4 kV CD, 8 kV AD
Radiated	IEC 61000-4-3; 3 V/m
EFT/Burst	IEC 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; 3 V
Power frequency magnetic field	IEC 61000-4-8; 1 A/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
Services	3-year, 4-hour onsite, 13x5 coverage for hardware (H5484E) 3-year, 4-hour onsite, 24x7 coverage for hardware (U6300E) 3-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone support (U6299E) Installation with minimum configuration, system-based pricing (U4826E) Installation with HP-provided configuration, system-based pricing (U4830E)
	Refer to the HP Web site at www.procurve.com/services for details on the service-level descriptions and product numbers. For details about services and response times in your area, please contact your local HP sales office.
Standards and protocols	General protocols IEEE 802.3x Flow Control

HP ProCurve Switch 2124 accessories

HP ProCurve 100-FX SC Transceiver (J4853A)

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