



HP ProCurve Switch 1400 Series

Product overview

The HP ProCurve Switch 1400 Series provides plug-and-play simplicity for high-bandwidth connectivity. The ProCurve Switch 1400 Series consists of two unmanaged switches. The HP ProCurve Switch 1400-24G is a 24-port 10/100/1000 switch with 22 10/100/1000 ports and 2 dual-personality ports. The HP ProCurve Switch 1400-8G is a small-form-factor switch with 8 10/100/1000 ports. Ideal for deployment in open spaces, both switches feature silent operation via a fanless design.

Key features

- Unmanaged Layer 2 Gigabit switch
- 8- and 24-port models
- Fanless switch for silent operation
- Two dual-personality mini-GBIC slots (J9078A)
- Industry-leading warranty

Features and benefits

Industry-leading warranty



Connectivity

- **Auto-MDIX:** automatically adjusts for straight-through or crossover cables on all 10/100 and 10/100/1000 ports
- **Jumbo packet support:** improves the performance of large data transfers

Performance

- **High performance:** wire-speed performance provides outstanding throughput for all PCs and servers
- **Half-/Full-duplex auto-negotiating capability on every port:** doubles the throughput of every port

Quality of Service (QoS)

- **IEEE 802.1p prioritization:** delivers data to devices by honoring the priority and type of traffic

Ease of use

- **Unmanaged:** provides plug-and-play simplicity
- **10/100/1000 auto-sensing per port:** automatically detects and sets the speed for any 10Base-T, 100Base-TX, or 1000Base-T device
- **Comprehensive LED display with per-port indicators:** provides an at-a-glance view of status, activity, speed, and full-duplex operation

Flexibility

- **Small form factor:** ideal for desktop use; space efficient for deployment flexibility (1400-8G switch)
- **Designed with no fan:** enables quiet operation for deployment in open spaces

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 website 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 have a five-year hardware warranty for the disk drive and lifetime hardware warranty (for as long as you own the product) for the rest of the module: HP ProCurve ONE Services zl Module, HP ProCurve Threat Management Services zl Module, and HP ProCurve MSM765zl Mobility Controller. 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 8100fl series, HP ProCurve Network Access Controller 800, and HP ProCurve DCM Controller. The following hardware products have a one-year hardware warranty with extensions available: HP ProCurve M111 Client Bridge, HP ProCurve MSM3xx-R 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, HP ProCurve CNMS Appliances, and HP ProCurve MSM317 Access Device. 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 1400-24G (J9078A)



HP ProCurve Switch 1400-8G (J9077A)

Ports	22 auto-sensing 10/100/1000 ports (IEEE 802.3 Type 10Base-T, IEEE 802.3u Type 100Base-TX, IEEE 802.3ab Type 1000Base-T); Media Type: Auto-MDIX; Duplex: 10Base-T/100Base-TX: half or full; 1000Base-T: full only 2 dual-personality ports; each port can be used as either an RJ-45 10/100/1000 port (IEEE 802.3 Type 10Base-T; IEEE 802.3u Type 100Base-TX; IEEE 802.3ab 1000Base-T Gigabit Ethernet) or an open mini-GBIC slot (for use with mini-GBIC transceivers)	8 auto-sensing 10/100/1000 ports (IEEE 802.3 Type 10Base-T, IEEE 802.3u Type 100Base-TX, IEEE 802.3ab Type 1000Base-T); Media Type: Auto-MDIX; Duplex: 10Base-T/100Base-TX: half or full; 1000Base-T: full only
Physical characteristics		
Dimensions	6.74(d) x 17.42(w) x 1.73(h) in. (17.12 x 44.25 x 4.39 cm) (1U height)	4.58(d) x 7.73(w) x 1.73(h) in. (11.63 x 19.63 x 4.39 cm) (1U height)
Weight	4.38 lb. (1.99 kg)	1.19 lb. (0.54 kg)
Memory and processor	128 KB RAM/ROM capacity; packet buffer size: 500 KB	128 KB RAM/ROM capacity; packet buffer size: 144 KB
Mounting	Mounts in an EIA-standard 19 in. telco racks (hardware included)	Horizontal surface mounting only
Performance		
100 Mb Latency	< 4.7 μ s (64-byte packets)	< 3.9 μ s (64-byte packets)
1000 Mb latency	< 3.0 μ s (64-byte packets)	< 2.1 μ s (64-byte packets)
Throughput	up to 35.7 million pps	up to 11.9 million pps
Switching capacity	48 Gbps	16 Gbps
MAC address table size	8,000 entries	8,000 entries
Environment		
Operating temperature	32°F to 104°F (0°C to 40°C)	32°F to 104°F (0°C to 40°C)
Operating relative humidity	15% to 95% @ 104°F (40°C), non-condensing	15% to 95% @ 104°F (40°C), non-condensing
Non-operating/Storage temperature	-40°F to 158°F (-40°C to 70°C)	-40°F to 158°F (-40°C to 70°C)
Non-operating/Storage relative humidity	10% to 90% @ 149°F (65°C), non-condensing	10% to 90% @ 149°F (65°C), non-condensing
Altitude	up to 10,000 ft. (3 km)	up to 10,000 ft. (3 km)
Acoustic	Power: 0 dB No Fan	Power: 0 dB No Fan
Electrical characteristics		
Maximum heat dissipation	81 BTU/hr (85 kJ/hr)	61 BTU/hr (64 kJ/hr)
Voltage	100-240 VAC	100-127 / 200-240 VAC
Current	0.7 / 0.4 A	1.0 / 0.8 A
Maximum power rating	24 W	18 W
Frequency	50 / 60 Hz	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.	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. The exact input voltage and frequency rating are determined by the specific power adapter part number ordered. Please select the correct power adapter country option.
Safety	CSA 22.2 No. 60950; EN 60950/IEC 60950; UL 60950	CSA 22.2 No. 60950; EN 60950/IEC 60950; UL 60950
Emissions	FCC Rules Part 15, Subpart B Class A; EN 55022; VCCL; ICES-003 (Canada)	FCC Rules Part 15, Subpart B Class A; EN 55022; VCCL; ICES-003 (Canada)
Immunity		
EN	EN 55024, CISPR 24	EN 55024, CISPR 24
ESD	IEC 61000-4-2	IEC 61000-4-2
Radiated	IEC 61000-4-3	IEC 61000-4-3
EFT/Burst	IEC 61000-4-4	IEC 61000-4-4
Surge	IEC 61000-4-5	IEC 61000-4-5
Conducted	IEC 61000-4-6	IEC 61000-4-6
Power frequency magnetic field	IEC 61000-4-8	IEC 61000-4-8
Voltage dips and interruptions	IEC 61000-4-11	IEC 61000-4-11
Harmonics	IEC 61000-3-2	IEC 61000-3-2
Flicker	IEC 61000-3-3	IEC 61000-3-3
Notes	Use only supported genuine ProCurve mini-GBICs with your switch.	

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Specifications (continued)

	HP ProCurve Switch 1400-24G (J9078A)	HP ProCurve Switch 1400-8G (J9077A)
Services	<p>3-year, 4-hour onsite, 13x5 coverage for hardware (UF797E) 3-year, 4-hour onsite, 24x7 coverage for hardware (UF798E) Installation with minimum configuration, system-based pricing (U4826E) Installation with HP-provided configuration, system-based pricing (U4830E) 4-year, 4-hour onsite, 13x5 coverage for hardware (UR820E) 4-year, 4-hour onsite, 24x7 coverage for hardware (UR821E) 5-year, 4-hour onsite, 13x5 coverage for hardware (UR822E) 5-year, 4-hour onsite, 24x7 coverage for hardware (UR823E)</p> <p>Refer to the HP website 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.</p>	<p>3-year, 4-hour onsite, 13x5 coverage for hardware (UF795E) 3-year, 4-hour onsite, 24x7 coverage for hardware (UF796E) Installation with minimum configuration, system-based pricing (U4826E) Installation with HP-provided configuration, system-based pricing (U4830E) 4-year, 4-hour onsite, 13x5 coverage for hardware (UR816E) 4-year, 4-hour onsite, 24x7 coverage for hardware (UR817E) 5-year, 4-hour onsite, 13x5 coverage for hardware (UR818E) 5-year, 4-hour onsite, 24x7 coverage for hardware (UR819E)</p> <p>Refer to the HP website 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.</p>
Standards and protocols (applies to all products in series)	General protocols IEEE 802.1p Priority	IEEE 802.3x Flow Control

HP ProCurve Switch 1400 Series accessories

HP ProCurve Switch 1400-24G (J9078A)

HP ProCurve Gigabit-LH-LC Mini-GBIC (J4860C)

HP ProCurve Gigabit-SX-LC Mini-GBIC (J4858C)

HP ProCurve Gigabit-LX-LC Mini-GBIC (J4859C)

HP ProCurve 1000-BX-D SFP-LC Mini-GBIC (J9142B)

HP ProCurve 1000-BX-U SFP-LC Mini-GBIC (J9143B)

Technology for better business outcomes

To learn more, visit www.hp.com/go/procurve

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