



## HP ProCurve Switch 408

### Product overview

The HP ProCurve Switch 408 is a compact, unmanaged 8-port 10/100 switch that offers half-/full-duplex 10/100 auto-sensing on every port and ProCurve Auto-MDIX on all ports for easy expansion. It is ideal for building small networks or connecting peripherals with any combination of 10 Mb and 100 Mb devices.

### Key features

- Unmanaged plug-and-play operation
- Eight 10/100 ports
- Compact and quiet fanless design
- Industry-leading warranty

# Features and benefits

## Industry-leading warranty



## Connectivity

- **Auto-sensing:** 10/100 auto-sensing per port automatically detects and sets the speed for any 10Base-T or 100Base-TX device
- **ProCurve Auto-MDIX:** automatically adjusts for straight-through or crossover cables on all 10/100 ports

## Performance

- **Switch design:** delivers dedicated bandwidth to each device and uses segmentation to improve network utilization
- **Auto-negotiation:** half-/full-duplex auto-negotiation on every port automatically doubles the throughput to each device, up to 200 Mbps

## Ease of use

- **Flow control:** helps ensure reliable communications during full-duplex operation
- **Unmanaged:** provides plug-and-play simplicity
- **LED display:** comprehensive LED display with per-port indicators allows monitoring of status and activity of every port at a glance
- **Automatic polarity correction:** helps find and fix common cabling problems
- **Compact:** small footprint allows multiple mounting configurations on a flat surface, side by side, or in a standard rack

## 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](http://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 8100i 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](http://www.procurve.com/warranty).

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## Specifications



### HP ProCurve Switch 408 (J4097C)

<b>Ports</b>	8 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
<b>Physical characteristics</b>	
Dimensions	7.8(d) x 4.8(w) x 1.6(h) in. (19.81 x 12.19 x 4.06 cm) (1U height)
Weight	1.5 lb. (0.68 kg), Fully loaded
<b>Memory and processor</b>	
	32 KB per port
<b>Mounting</b>	Mounts in a standard 19 in. rack with optional four-way mounting kit
<b>Performance</b>	
Switching capacity	1.6 Gbps
Routing table size	1,000 entries
<b>Environment</b>	
Operating temperature	32°F to 104°F (0°C to 40°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	15% to 90% @ 149°F (65°C), non-condensing
Shock and vibration	EN 60068 (IEC 68)
Altitude	up to 10,000 ft. (3 km)
<b>Electrical characteristics</b>	
Maximum heat dissipation	52 BTU/hr (55 kJ/hr)
Voltage	100-127 / 200-240 VAC
Current	0.4 / 0.2 A
Power consumption	15 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.
<b>Safety</b>	CSA 950; EN 60950/IEC 60950; NOM-019-SCFI-1994; UL 1950
<b>Emissions</b>	FCC Class A; VCCI Class A; EN 55022/CISPR 22 Class A
<b>Immunity</b>	
Generic	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
<b>Services</b>	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 <a href="http://www.procurve.com/services">www.procurve.com/services</a> 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.
<b>Standards and protocols</b>	<b>General protocols</b> IEEE 802.3x Flow Control

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To learn more, visit [www.hp.com/go/procurve](http://www.hp.com/go/procurve)

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