

## **NEW** ProCurve Switch 1800 Series

The ProCurve Switch 1800 series consists of two Web-managed switches. The ProCurve Switch 1800-24G is a 22-port 10/100/1000 switch with 2 dual-personality ports for RJ-45 10/100/1000 or mini-GBIC fiber Gigabit connectivity.

The ProCurve Switch 1800-8G is a small form factor, 8-port 10/100/1000 switch. The ProCurve Switch 1800 series enables increased network capabilities and control vs. unmanaged switches, with support for fundamental networking protocols such as trunking, VLANs, and traffic prioritization. Both switches are managed via an intuitive Web interface. The ProCurve Switch 1800 series is ideal for businesses making the transition from unmanaged connectivity to managed networks without added cost or complexity.



**NEW** ProCurve Switch 1800-24G (J9028A)



**NEW** ProCurve Switch 1800-8G (J9029A)



# ProCurve Switch 1800 Series

## Features and benefits

### Flexibility (1800-8G only)

- **Small form factor:** ideal for desktop use, and space-efficient for deployment flexibility
- **Fanless design:** reduces noise and enables quiet operation, reducing distraction when deployed in open spaces

### Manageability

- **Intuitive Web interface:** enables simple management via an easy-to-use Web browser interface for switch configuration, monitoring, and administration
- **Integration with ProCurve Manager:** enables discovery, mapping, and single-device configuration via ProCurve Manager, available as a free download from the Web
- **IEEE 802.1ab LLDP discovery:** advertises and receives management information from adjacent devices on a network

### Ease of use

- **Comprehensive LED display with per-port indicators:** provides an at-a-glance view of status, activity, speed, and full-duplex operation
- **ProCurve/IEEE Auto-MDIX:** automatically adjusts for straight-through or crossover cables on all 10/100/1000 ports

### Security

- **Management password:** provides security so that only authorized access to the Web browser interface is allowed

### Layer 2 switching

- **VLAN support and tagging:** support up to 64 port-based VLANs and dynamic configuration of IEEE 802.1Q VLAN tagging, providing security between workgroups

### Resiliency and high availability

- **IEEE 802.3ad Link Aggregation Control Protocol (LACP):** provides link-level redundancy with support for up to 4 trunks on the ProCurve Switch 1800-8G and 12 trunks on the ProCurve Switch 1800-24G, each with up to 8 links (ports) per trunk

### Quality of Service (QoS)

- **IEEE 802.1p prioritization:** delivers data to devices based on the priority and type of traffic
- **Broadcast control:** allows limitation of broadcast traffic rate to cut down on unwanted broadcast traffic on the network

### Connectivity

- **Jumbo packet support:** supports up to 9,216 byte frame size to improve performance of large data transfers

### Monitor and diagnostics

- **Port mirroring:** enables traffic on a port to be simultaneously sent to a network analyzer for monitoring

### Industry-leading warranty

- **Lifetime warranty:** for as long as you own the product, with next-business-day advance replacement (available in most countries)

## Services

### ProCurve Switch 1800-24G

- 3-year, 4-hour onsite, 13x5 coverage for hardware (U4683E)
- 3-year, 4-hour onsite, 24x7 coverage for hardware (U4835E)
- 3-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone support (U6321E)

### ProCurve Switch 1800-8G

- 3-year, 4-hour onsite, 13x5 coverage for hardware (UE256E)
- 3-year, 4-hour onsite, 24x7 coverage for hardware (UE257E)
- 3-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone support (UE258E)

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.

# ProCurve Switch 1800 Series

## Specifications



**ProCurve Switch 1800-24G (J9028A)**



**ProCurve Switch 1800-8G (J9029A)**

<b>Ports</b>	22 10/100/1000 ports (IEEE 802.3 Type 10Base-T, IEEE 802.3u Type 100Base-TX, IEEE 802.3ab 1000Base-T Gigabit Ethernet) 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 10/100/1000 ports (IEEE 802.3 Type 10Base-T, IEEE 802.3u Type 100Base-TX, IEEE 802.3ab 1000Base-T Gigabit Ethernet)
<b>Physical characteristics</b>		
Dimensions (D x W x H)	17.12 x 44.25 x 4.39 cm (6.74 x 17.42 x 1.73 in.) (1U height)	11.63 x 19.63 x 4.39 cm (4.58 x 7.73 x 1.73 in.) (1U height)
Weight (fully loaded)	1.96 kg (4.32 lb.)	0.54 kg (1.19 lb.)
<b>Memory and processor</b>		
Packet buffer size	500 KB	144 KB
RAM/ROM capacity	2 MB	1 MB
Flash capacity	2 MB	1 MB
SDRAM	64 KB	64 KB
<b>Mounting</b>	Mounts in an EIA-standard 19 in. telco rack or equipment cabinet (hardware included); horizontal surface mounting only	Horizontal surface mounting only
<b>Performance</b>		
Latency	100 Mb <4.7 μs (64-byte packets) 1000 Mb <3.0 μs (64-byte packets)	100 Mb <3.9 μs (64-byte packets) 1000 Mb <2.1 μs (64-byte packets)
Throughput	Up to 35.7 million pps (64-byte packets)	Up to 11.9 million pps (64-byte packets)
Switching capacity	48 Gbps	16 Gbps
MAC address table size	8,000 entries	8,000 entries
<b>Environment</b>		
Operating temperature	-2.8°C to 40°C (27°F to 104°F)	-5°C to 40°C (23°F to 104°F)
Operating relative humidity	15% to 95% @ 40°C (104°F), non-condensing	15% to 95% @ 40°C (104°F), non-condensing
Non-operating/Storage temperature	-40°C to 70.6°C (-40°F to 159°F)	-40°C to 70.6°C (-40°F to 159°F)
Non-operating/Storage relative humidity	0% to 90% @ 65°C (149°F), non-condensing	0% to 90% @ 65°C (149°F), non-condensing
Altitude	Up to 4.6 km (15,000 ft.)	Up to 4.6 km (15,000 ft.)
Acoustic	36 dB	0 dB, no fan
<b>Electrical characteristics</b>		
Maximum heat dissipation	205 BTU/hr	61 BTU/hr
Voltage	100–240 VAC	100–127 VAC/200–240 VAC
Current	1.2 A/0.6 A	1.0 A/0.8 A
Power consumption	24 W	18 W
Frequency	50/60 Hz	60 Hz
Notes	N/A	12–13 V input
<b>Safety</b>	CSA 22.2 No. 60950; EN 60950/IEC 60950; UL 60950	
<b>Emissions</b>	FCC Rules Part 15, Subpart B Class A; EN55022; VCCI; ICES-003 (Canada)	
<b>Immunity</b>		
EN	EN55024	EN55024
ESD	EN61000-4-2	EN61000-4-2
Radiated	EN61000-4-3	EN61000-4-3
EFT/Burst	EN61000-4-4	EN61000-4-4
Surge	EN61000-4-5	EN61000-4-5
Conducted	EN61000-4-6	EN61000-4-6
Power frequency magnetic field	EN61000-4-8	EN61000-4-8
Voltage dips and interruptions	EN61000-4-11	EN61000-4-11
Harmonics	EN61000-3-2	EN61000-3-2
Flicker	EN61000-3-3	EN61000-3-3
<b>Management</b>	ProCurve Manager; Web browser	ProCurve Manager; Web browser
<b>Standards and protocols</b>	IEEE 802.3x Flow Control; IEEE 802.3ad Link Aggregation Control Protocol; IEEE 802.1AB Link Layer Discovery Protocol; IEEE 802.1Q VLANs; IEEE 802.1p Priority; RFC1534 DHCP/BootP	
<b>Notes</b>	Use only supported genuine ProCurve mini-GBICs with your switch.	

# ProCurve Switch 1800 Series Modules

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## Accessories

**ProCurve Gigabit-SX-LC Mini-GBIC (J4858B)**

(1800-24G only)

**ProCurve Gigabit-LX-LC Mini-GBIC (J4859B)**

(1800-24G only)

**ProCurve Gigabit-LH-LC Mini-GBIC (J4860B)**

(1800-24G only)

**ProCurve Manager 2.1**

**ProCurve Manager Plus 2.1 100 device limited version (J8778A)**

**ProCurve Manager Plus 2.1 upgrade to unlimited license (J8779A)**

**ProCurve Manager Plus 2.1 100 device Upgrade (J8991A)**

**ProCurve Manager Plus 2.1 unlimited license (J9009A)**