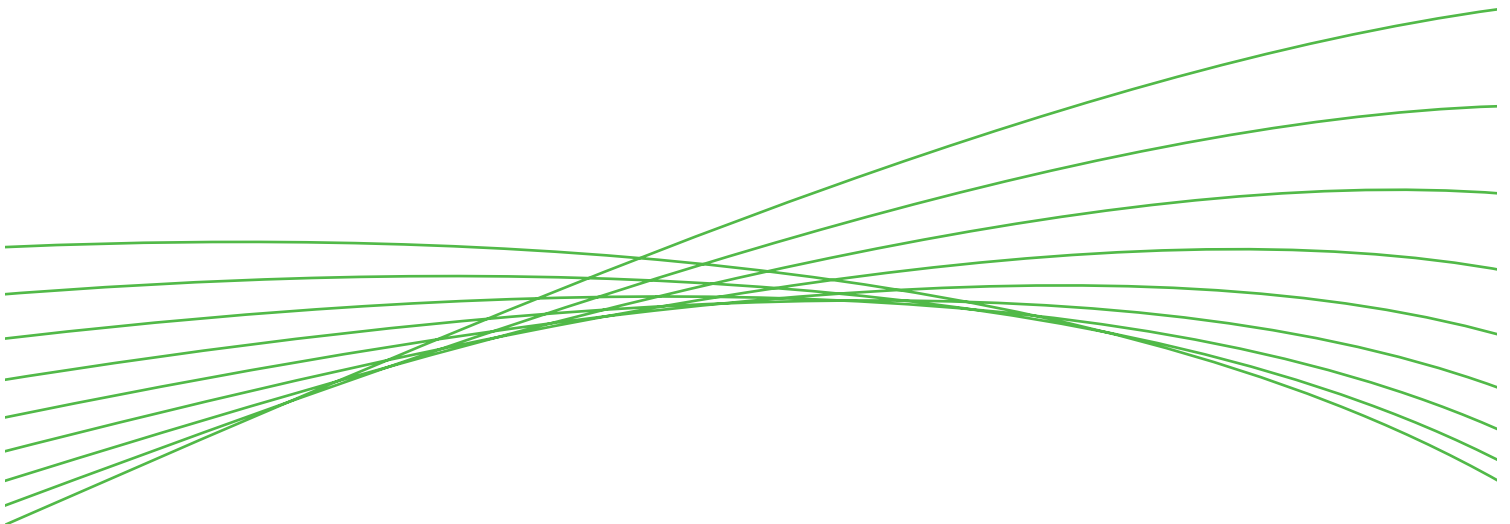


## **NEW** ProCurve Switch 2510 Series

The ProCurve Switch 2510-24 is a managed, Layer 2, 24-port 10/100 switch with 2 dual-personality Gigabit ports providing 10/100/1000-T or mini-GBIC connectivity. The 2510-24 is fanless, ensuring quiet operation and making it ideal for deployment in open spaces. And it offers a basic Layer 2 feature set, including access security and basic traffic prioritization. Designed to cost-effectively meet the needs of small and growing networks, the 2510-24 brings commercial-grade quality to all businesses at an affordable price. It is also standards-based, facilitating interoperability with existing infrastructure and making it easy to deploy and manage.



**NEW** ProCurve Switch 2510-24 (J9019A)



# ProCurve Switch 2510 Series

## Features and benefits

### Connectivity

- **Dual-personality functionality:** two 10/100/1000 ports or mini-GBIC slots for optional fiber connectivity such as Gigabit-SX, -LX, or -LH

### Resiliency and high availability

- **IEEE 802.3ad Link Aggregation Control Protocol (LACP) and ProCurve trunking:** support up to 2 10/100 trunks, each with 4 links (ports) per trunk, plus one Gigabit trunk
- **IEEE 802.1s Multiple Spanning Tree:** provides high link availability in multiple VLAN environments by allowing multiple spanning trees; provides legacy support for IEEE 802.1d and IEEE 802.1w

### 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
- **GARP VLAN Registration Protocol:** allows automatic learning and dynamic assignment of VLANs

### Security

- **IEEE 802.1X and RADIUS network login:** control port-based access for authentication and accountability
- **Secure management access:** all access methods—CLI, GUI, or MIB—are securely encrypted through SSHv2, SSL, and/or SNMPv3
- **TACACS+:** eases switch management security administration by using a password authentication server

### Quality of Service (QoS)

- **IEEE 802.1p prioritization:** delivers data to devices based on priority and type of traffic

### Manageability

- **RMON:** provides advanced monitoring and reporting capabilities for statistics, history, alarms, and events
- **Friendly port names:** allow assignment of descriptive names to ports
- **ProCurve Auto-MDIX:** automatically adjusts for straight-through or crossover cables on all 10/100 ports
- **Full-featured console:** provides complete control of the switch with a familiar command-line interface (CLI)
- **Web interface:** allows configuration of the switch from any Web browser on the network
- **Stacking capability:** single IP address management for a virtual stack of up to 16 switches, including the ProCurve 2500 series, 2600 series, 2800 series, 2810 series, 3400cl series, 6108, 6400cl series, 4200vl series, and 4100gl series

### Convergence

- **IP multicast snooping and IGMPv3:** automatically prevents flooding of IP multicast traffic

### Industry-leading warranty

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

## Services

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 2510 Series

## Accessories

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

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

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

**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)**

## Specifications



**ProCurve Switch 2510-24 (J9019A)**

<b>Ports</b>	24 10/100 ports (IEEE 802.3 Type 10Base-T, IEEE 802.3u Type 100Base-TX) 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) 1 RJ-45 serial console port
<b>Physical characteristics</b>	
Dimensions (D x W x H)	23.62 x 44.25 x 4.39 cm (9.3 x 17.42 x 1.73 in.) (1U height)
Weight (fully loaded)	2.22 kg (4.89 lb.), fully loaded
<b>Memory and processor</b>	
Processor type and speed	MIPS BCM5836 @ 264 MHz
Flash capacity	8 MB
SDRAM	64 MB
<b>Mounting</b>	Mounts in an EIA-standard 19 in. telco rack or equipment cabinet (hardware included); horizontal surface mounting only
<b>Performance</b>	
Latency	100 Mb <4.9 μs (64-byte packets); 1000 Mb <2.6 μs (64-byte packets)
Throughput	Up to 6.5 million pps
Switching capacity	8.8 Gbps
MAC address table size	8,000 entries
<b>Environment</b>	
Operating temperature	0°C to 45°C (32°F to 113°F)
Operating relative humidity	15% to 95% @ 40°C (104°F), non-condensing
Non-operating/Storage temperature	-40°C to 70°C (-40°F to 158°F)
Non-operating/Storage relative humidity	15% to 95% @ 65°C (149°F), non-condensing
Altitude	Up to 4.6 km (15,000 ft.)?
Acoustic	0 dB, no fan
<b>Electrical characteristics</b>	
Voltage	100–127 VAC/200–240 VAC
Current	0.75 A/0.4 A
Power consumption	30 W
Frequency	50/60 Hz
<b>Safety</b>	cUL (CSA 22.2 No. 60950); EN 60950/IEC 60950; NOM-019-SCFI-1994; UL 60950
<b>Emissions</b>	FCC Class A; EN55022/CISPR-22 Class A; VCCI Class A; IEC/EN61000-3-2; IEC/EN61000-3-3
<b>Immunity</b>	
Generic	EN55024, CISPR 24
ESD	IEC 61000-4-2
Radiated	IEC 61000-4-3
EFT/Burst	IEC 61000-4-4
Surge	IEC 61000-4-5
Conducted	IEC 61000-4-6
Power frequency magnetic field	IEC 61000-4-8
Voltage dips and interruptions	IEC 61000-4-11
Harmonics	EN61000-3-2, IEC61000-3-2
Flicker	EN61000-3-3, IEC61000-3-3
<b>Management</b>	ProCurve Manager; ProCurve Manager Plus; command-line interface; Web browser; out-of-band management (serial RS-232C)
<b>Standards and protocols</b>	IEEE 802.3x Flow Control; IEEE 802.1s Multiple Spanning Trees; IEEE 802.3ad Link Aggregation Control Protocol; IEEE 802.1AB Link Layer Discovery Protocol; RFC 1492 TACACS+; RFC 2138 RADIUS; SSHv1/SSHv2 Secure Shell; Secure Sockets Layer (SSL); IEEE 802.1X Network Login; IEEE 802.1Q VLANs; IEEE 802.1Q VLAN tagging; IEEE 802.1p Priority; SNMPv1/v2c/v3; SNMP MIB II; RFC 1493 Bridge MIB; RFC 2236 (IGMPv2)
<b>Notes</b>	When using mini-GBICs with this product, mini-GBICs with revision “B” (product number ends with the letter “B”; e.g., J4858B, J4859B) or later are required.

**For more information**

To learn more about ProCurve  
Networking, please visit  
**[www.hp.com/eur/procurve](http://www.hp.com/eur/procurve)**

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