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Products	Switch 408/2124	1410 Series	1700 Series	1810G Series	2510/2510G Series	2520/2520G Series	2810 Series	2610/2615 Series	2910a/2915 Series	4200vl Series
										
<b>Product description</b>	Unmanaged plug-and-play 10/100 switch	Unmanaged Gigabit fanless plug-and-play switch	Web-managed 10/100 fanless plug-and-play switch	Web-managed Gigabit fanless plug-and-play switch	Managed 10/100 and Gigabit switches	Managed PoE 10/100 and Gigabit switches	Managed Gigabit switch with increased security	Feature-rich 10/100 switch with PoE options	Feature-rich Gigabit switch with optional 10-GbE <sup>^</sup>	Feature-rich modular switch for scalability
<b>Key identifiers</b>										
Form factor	Desktop or 1U rackmount	Desktop or 1U rackmount	Desktop or 1U rackmount	Wall, ceiling, tabletop, undertable, rackmount 1U	1U Rackmount	1U Rackmount	1U Rackmount	1U Rackmount	1U Rackmount	3U or 5U Rackmount
Speed	10/100	10/100/1000	10/100	10/100/1000	10/100 and 10/100/1000	10/100 and 10/100/1000	10/100/1000	10/100	10/100/1000 + 10-GbE modules <sup>^</sup>	10/100, 10/100/1000, and 10-GbE modules
Ports	8 or 24	8, 16, or 24	8 or 24	8 or 24	26 or 52, 24 or 48 (G)	10 or 28, 10 or 24 (G)	24 or 48	8, 28, or 52	8, 24, or 48	Up to 192
Management	–	–	Web interface	Web interface	Command-line/Web interface/SNMP	Command-line/Web interface/SNMP	Command-line/Web interface/SNMP	Command-line/Web interface/SNMP	Command-line/Web interface/SNMP	Command-line/Web interface/SNMP
Routing	–	–	–	–	–	–	–	Yes	Yes	Yes
Power over Ethernet (PoE/PoE+)	–	–	–	PoE-PD (J9449A)	–	PoE	–	PoE	PoE/PoE+ <sup>^</sup>	–
Redundant power supply	–	–	–	–	–	–	Yes	Yes <sup>^</sup>	Yes <sup>^</sup>	Yes
<b>Designed for</b>										
Secure connectivity										
Embedded security features, including authentication, secure management access, and traffic filtering to fortify network security.										
Scalability, flexibility, and performance										
Flexibility in choosing connectivity options, including port count, speed, and media type allow for the right balance of price and performance. VLAN and routing capabilities will enable network infrastructure to scale with company growth.										
Management and traffic visibility										
Ease setup and maintenance through a choice of command-line, Web, or SNMP management interfaces. Create visibility with traffic-monitoring features, including RMON, sFlow, and traffic mirroring.										
Convergence and Voice over IP										
Improve your convergence and voice traffic by prioritizing time-critical network traffic using Quality of Service (QoS) features. Reduce cost and increase reliability by powering IP phone or other network device using Power over Ethernet.										
Uptime and reliability										
Protect your network and investment with HP's legendary reliability backed by a true lifetime warranty and software features designed for increased uptime.										
<b>Competitive products</b>	<ul style="list-style-type: none"> <li>Cisco Small Business SD, SR Series</li> <li>NETGEAR FS1xx, FS6xx, JFSxxx Series</li> <li>D-Link DES-10xx, 11xx, DSS Series</li> </ul>	<ul style="list-style-type: none"> <li>Cisco Small Business SD, SR Series</li> <li>NETGEAR GS1xx, GS6xx, JGSxxx Series</li> <li>D-Link DGS-10xx, 22xx Series</li> </ul>	<ul style="list-style-type: none"> <li>Cisco Small Business SLM Series</li> <li>NETGEAR FS7xx Series</li> <li>D-Link DES-12xx, DES-13xx Series</li> </ul>	<ul style="list-style-type: none"> <li>Cisco Small Business SLM Series</li> <li>NETGEAR GS7xx Series</li> <li>D-Link DGS-12xx Series</li> </ul>	<ul style="list-style-type: none"> <li>NETGEAR FSM72x/GSM72x Series</li> <li>D-Link DES-3xxx/DGS-3xxx Series</li> <li>Cisco Small Business SRW Series</li> <li>Cisco Catalyst Express 5xx Series</li> <li>Cisco Catalyst 2960 LAN Lite Series</li> <li>Cisco Small Business Pro ESW Series</li> </ul>	<ul style="list-style-type: none"> <li>NETGEAR FSM72x/GSM72x Series</li> <li>D-Link DES-3xxx/DGS-3xxx Series</li> <li>Cisco Small Business SRW Series</li> <li>Cisco Catalyst Express 5xx Series</li> <li>Cisco Catalyst 2960 LAN Lite Series</li> <li>Cisco Small Business Pro ESW Series</li> </ul>	<ul style="list-style-type: none"> <li>Cisco Small Business SGE Series</li> <li>NETGEAR GSM72xx</li> <li>D-Link DXS Series</li> <li>Cisco Catalyst Express 500</li> </ul>	<ul style="list-style-type: none"> <li>Cisco Catalyst 2960 family</li> <li>Nortel 4500T Series</li> <li>Extreme Networks Summit X150</li> </ul>	<ul style="list-style-type: none"> <li>Cisco Catalyst 2960G</li> <li>Nortel 4500G Series</li> </ul>	<ul style="list-style-type: none"> <li>Cisco Catalyst 2960, 3560</li> </ul>



- The HP ProCurve Lifetime Warranty\*, with next-business-day advance replacement included free of charge
- Free telephone and Web support
- Free software updates

## Why choose HP networking?

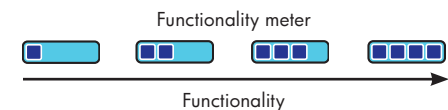
**Choice and flexibility**—performance and interoperability

**Advanced technology**—30 years of leadership

**Security and trust**—safe and field-tested solutions

**Proven reliability**—backed by a lifetime warranty\*

**Return on IT investment**—easy to install and use



<sup>^</sup> Available on some SKUs.

\* 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 8100zl 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](http://www.procurve.com/warranty).

		Unmanaged		Web managed		Fully managed Layer 2			Fully managed Layer 3			
HP ProCurve switch		ProCurve Switch 408/2124	1410 Switch Series 1410-8G/ 1410-16G/ 1410-24G	ProCurve Switch 1700-8/ 1700-24	ProCurve Switch 1810G-8/ 1810G-24	ProCurve Switch 2510-24/ 2510-48/ 2510G-24/ 2510G-48	ProCurve Switch 2520-8-PoE/ 2520-24-PoE/ 2520G-8-PoE/ 2520G-24-PoE	ProCurve Switch 2810-24G/ 2810-48G	ProCurve Switch 2610-24/ 2610-48	ProCurve Switch 2615-8-PoE/ 2610-24/12 PWR/ 2610-24 PWR/ 2610-48 PWR	ProCurve 2910a1 Switch Series & 2915-8G-PoE	ProCurve Switch 4202vl-72 4204vl-48GS 4208vl-72GS 4208vl-96
HP ProCurve product number		J4097C/J4868A	J9559A/J9560A/ J9561A	J9079A/J9080A	J9449A/J9450A	J9019B/ J9020A/ J9279A/ J2980A	J9137A/ J9138A/ J298A/ J9299A	J9021A/J9022A	J9085A/J9088A	J9565A/J9086A/ J9087A/J9089A	J9562A/J9145A/ J9147A/J9146A/ J9148A	J8772A/ J9064A/ J9030A/J8775A
Scalability, flexibility, and performance	Dedicated 10/100 ports	8/24	—	8/22	—	24/48/—/—	8/24/—/—	—	24/48	8/24/24/48	—	48–192/flexible
	Dedicated 10/100/1000 ports	—	8/16/22	—	8/22	—/2/20/44	—/2/8/20	20/44	2	2	8/20/44	Flexible
	Shared 10/100/1000 or mini-GBIC ports	—	—/—/2	—/2	—/2	2/—/4/4	2/2/2/4	4	—	2/—/—/—	2/4/4	Flexible
	Dedicated mini-GBIC ports	—	—	—	—	—/2/—/—	—	—	2	2 (2610 only)	—	Flexible
	10G Ports	—	—	—	—	—	—	—	—	—	4 ports optional (CX4 and/or SFPs) (2910 Series only)	Flexible
	Power over Ethernet (PoE/ PoE+)	—	—	—	PoE-PD (J9449A)	—	PoE	—	—	PoE	PoE (J9562A)/ PoE+ (J9146A, J9148A)	—
	Maximum # of VLANs	—	—	64	64	64	256	256	256	256	256	256
	GVRP	—	—	—	—	+	+	+	+	+	+	+
	Data-driven IGMP	—	—	—	—	—/+/+/+	+	+	+	+	+	+
	IGMP v1/v2/v3	—	—	—	—	V2 only	+	+	+	+	+	+
	MAC table size	1000/4096	4000/8000/ 8000	8000	8000	8000	8000	8000	8000	8000	8000/16000/ 16000	16000
	Static routes	—	—	—	—	—	—	—	16	16	16 (2916 only)/64	16
	RIPv1/v2	—	—	—	—	—	—	—	—	+/-/-/-/-	+	—
	Noise	0/42 dB	0 dB	0 dB	0 dB	0/43.6 dB/ 40.3 dB/40.5 dB	0/27.9 dB/0/ 28.3 dB	40.3 dB/ 40.5 dB	0/45 dB	0 dB/46 dB/ 64 dB/64 dB	0 dB/53.5 dB/ 53.5 dB/51.5 dB/ 51.5 dB	64.2 dB
	Operating temperature	0–40°C/ 0–55°C (J4868A)	0–40°C	0–40°C	0–40°C	0–45°C	0–45°C/ 0–50°C (J9299A)	0–45°C	0–50°C	0–45°C (8-port)/ 0–50°C	0–45°C (8-port)/ 0–55°C	0–40°C
Supported SFPs and Mini-GBICs	1000-BX-D (J9142B)	—	—/—/+	—	—	Θ	Θ	Θ	Θ	Θ	Θ	Θ
	1000-BX-U (J9143B)	—	—/—/+	—	—	Θ	Θ	Θ	Θ	Θ	Θ	Θ
	100-BX-D (J9099B)	—	—/—/+	—	—	Θ	Θ	Θ	Θ	Θ	Θ	Θ
	100-BX-U (J9100B)	—	—/—/+	—	—	Θ	Θ	Θ	Θ	Θ	Θ	Θ
	J4858C Gigabit-SX-IC	—	—/—/+	—/Θ	—/Θ	Θ	Θ	Θ	Θ	Θ	Θ	Θ
	J4859C Gigabit-LX-IC	—	—/—/+	—/Θ	—/Θ	Θ	Θ	Θ	Θ	Θ	Θ	Θ
	J4860C Gigabit-LH-IC	—	—/—/+	—/Θ	—/Θ	Θ	Θ	Θ	Θ	Θ	Θ	Θ
	J8177B Gigabit 1000Base-T	—	—	—	—	—/Θ/—/—	—	—	Θ	Θ	—	—
Management and traffic visibility	J9054B 100-FX SFP-IC	—/***	—/—/+	—	Θ	Θ	Θ	Θ	Θ	Θ	Θ	Θ
	IEEE 802.1ab LLDP	—	—	+	+	+	+	+	+	+	+	+
	LLDP-MED	—	—	—	—	—	+	+	+	+	+	+
	Voice VLAN	—	—	—	—	+	+	+	+	+	+	—
	IEEE 802.1p priority	—	+	+	+	+	+	+	+	+	+	+
	Honors ToS priority	—	—	+	+	+	+	+	+	+	+	+
	Layer 4 (TCP/UDP) priority	—	—	—	—	—	—	+	+	+	+	+
	Dual flash images	—	—	—	+	+	+	+	+	+	+	+
	Multiple configuration files	—	—	—	+	—	+	—	+	+	+	+
	Menu/CLI/WEB	—	—	Web only	Web only	+	+	+	+	+	+	+
	Port mirroring	—	—	+	+	+	+	+	+	+	+	+
	sFlow	—	—	—	—	—	—	+	+	+	+	+
	RMON (1, 2, 3, 9)	—	—	—	—	+	+	+	+	+	+	+
	Extended RMON	—	—	—	—	—	—	—	+	+	+	+
Secure connectivity	SNMPv1/v2/v3	—	—	Discovery only	Discovery only	+	+	+	+	+	+	+
	TimeP/SNTP	—	—	+	+	+	+	+	+	+	+	+
	Broadcast control	—	—	+	+	+	+	+	+	+	+	+
	IPv6 host	—	—	—	—	—	+	—	—	+/-/-/-/-	+	—
	DHCP protection	—	—	—	—	—	—	—	+	+	+	+
	Dynamic IP lockdown	—	—	—	—	—	—	—	+	+	+	—
	Dynamic ARP protection	—	—	—	—	—	—	—	+	+	+	—
	UDLD	—	—	—	—	—	—	—	+	+	+	+
	Isolated port (protected port)	—	—	—	—	+	+	+	+/**	+/**	+/**	+/**
	Source port filtering	—	—	—	—	—	—	+	+	+	+	+
	MAC lockdown/MAC lockout	—	—	—	—	+	+	+	+	+	+	+
	Access Control Lists (ACLs)	—	—	—	—	—	—	—	+	+	+	—
	IEEE 802.1X Web/ MAC-based port security	—	—	—	—	+	+	+	+	+	+	+
	Port security users per port	—	—	—	—	2	2	8	32	2 (8-port)/32	2 (8-port)/32	8
Uptime and reliability	Denial of service filtering	—	—	—	—	—	+	—	—	—	—	—
	Secure FTP	—	—	—	—	—	—	+	+	+	+	+
	SSH/SSL	—	—	—	+	+	+	+	+	+	+	+
	TACACS+/RADIUS Authen.	—	—	—	—	+	+	+	+	+	+	+
	IEEE 802.1s MSTP*	—	—	—	—	+	+	+	+	+	+	+
	IEEE 802.3ad LACP Trunking	—	—	+	+	+	+	+	+	+	+	+
	Redundant power supply	—	—	—	—	—	—	Θ	Θ	—/Θ/Θ/Θ	Θ	Θ

\* IEEE 802.1s is backward compatible with IEEE 802.1D/IEEE 802.1w

\*\* Implemented via source port filtering

\*\*\* Use J4853A 100-FX SC transceiver

Θ = optional

— = not supported

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