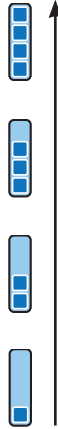


HP ProCurve Edge Switch Selection Guide

For small and growing businesses

Products	Switch 408/2124	1400 Series	1700 Series	1800 Series	2510 Series	2510G Series	2840 Series	2610 Series	2800/2900 Series	4200v1 Series	
Product description	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 switch	Managed 10/100 switch	Managed gigabit switch with increased security	Managed gigabit switch	Feature-rich 10/100 switch with PoE options only	Feature-rich gigabit switch with 10-GbE (2900 Series only)	Feature-rich modular switch for scalability	
Key identifiers											
Form factor	Desktop or 1U rackmount	Desktop or 1U rackmount	Desktop or 1U rackmount	Desktop or 1U rackmount	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	10/100/1000	10/100/1000	10/100	10/100/1000 + 10-GbE (2900 Series only)	10/100, 10/100/1000, and 10-GbE modules	
Ports	8 or 24	8 or 24	8 or 24	8 or 24	26 or 52	24 or 48	24 or 48	28 or 52	24 or 48	Up to 192	
Uplinks	-	1000-T, SX, LX, LH	1000-T, SX, LX, LH	1000-T, SX, LX, LH	1000-T, SX, LX, LH, 100-FX	1000-T, SX, LX, LH, 100-FX	1000-T, SX, LX, LH, 100-FX	1000-T, SX, LX, LH, 100-FX	1000-T, SX, LX, LH, 100-FX, CX4, X2 (2900 Series only)	1000-T, SX, LX, LH, 100-FX, X2	
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)	-	-	-	-	-	-	-	Yes	-	-	
Redundant power supply	-	-	-	-	-	-	Yes	Yes	Yes	Yes	
Designed for											
Secure connectivity											
Scalability, flexibility, and performance											
Management and visibility											
Convergence and Voice over IP											
Uptime and reliability											
Competitive products	Linksys SD, SR Series NETGEAR FS1xx, FS6xx, JFSxxx Series D-Link DES-10xx, 11xx, and DSS series 3Com Switch 8	Linksys SLM Series NETGEAR FS7xx Series D-Link DES-12xx, DES-13xx Series 3Com Baseline Switch	Linksys SRW Series NETGEAR GS7xx Series D-Link DGS-3xxx Series 3Com 42xx Series Cisco Catalyst Express 5xx Series	Linksys SRW Series NETGEAR FSM72x Series D-Link DES-3xxx Series 3Com 29xx Series Cisco Catalyst Express 5xx Series	Linksys SGE Series NETGEAR GSM72xx D-Link DXS Series 3Com Switch 4200G Series Cisco Catalyst Express 500	Linksys SRW Series NETGEAR GSM72xx D-Link DGS-3xxx Series 3Com 29xx Series Cisco Catalyst Express 5xx Series	Linksys SRW Series NETGEAR FSM72x Series D-Link DES-3xxx Series 3Com 42xx Series Cisco Catalyst Express 5xx Series	Linksys SGE Series NETGEAR GSM72xx D-Link DXS Series 3Com Switch 4200G Series Cisco Catalyst Express 500	3Com Switch 4500 Cisco Catalyst 2960 Nortel 4500T Series Extreme Networks Summit X150	NETGEAR GSM73xx 3Com 4500G Series Cisco Catalyst 2960 3560 Nortel 4500GT Series	3Com Switch 4500 Cisco Catalyst 2960 3560

Functionality meter



Functionality

Why choose ProCurve?

Best value	Secure networks with legendary HP reliability at an affordable price backed by the ProCurve Lifetime Warranty*
Reduced complexity	A choice of products and solutions that are easy to deploy, manage and maintain
Proven technology	HP has 30 years of experience in networking
Reliability	HP quality—with stringent engineering and testing standards—backed by the ProCurve Lifetime Warranty*
Scalability	Extensive product line that can grow with your needs

Supporting HP ProCurve Networking products with HP ProCurve Customer Care

- HP ProCurve Lifetime Warranty* features next-business-day advance replacement
- HP ProCurve warranty covers the entire ProCurve product, including fans and power supplies
- Phone support during business hours and software updates are included in the purchase price of the product
- Web-based support assistance such as FAQs, manuals, configuration examples, and downloadable software updates
- Software update notification upon registration on the My.ProCurve.com Web site



* 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 family modules have a one-year warranty with extensions available: The ProCurve Routing Switch 8300m Series, ProCurve Switch 8100f1 Series, ProCurve Access Control Server 745v1, and the ProCurve Network Access Controller 800. Standalone software may have a different warranty duration. For details, refer to the ProCurve Software License, Warranty, and Support booklet at www.procurve.com/warranty



HP ProCurve Edge Switch features overview

HP ProCurve switch	Unmanaged		Web managed		Fully managed							
	ProCurve Switch 408/2124	ProCurve Switch 1400-8G/1400-24G	ProCurve Switch 1700-8/1700-24	ProCurve Switch 1800-8G/1800-24G	Layer 2			Layer 3				
					ProCurve Switch 2510-24/2510-48	ProCurve Switch 2510G-24/2510G-48	ProCurve Switch 2810-24G/2810-48G	ProCurve Switch 2610-24/2610-48	ProCurve Switch 2600-8-PWR	ProCurve Switch 2610-24/12PWR/2610-48 PWR	ProCurve Switch 2824/2848/2900-24G/2900-48G	ProCurve Switch 4202v-72/4204v-48GS/4208v-72GS/4208v-96
HP ProCurve product number	J4097C/ J4868A	J9077A/ J9078A	J9079A/ J9080A	J9029A/ J9028B	J9019B/ J9020A	J9279A/ J9280A	J9021A/ J9022A	J9085A/ J9088A	J8762A	J9086A/ J9087A/ J9089A	J4903A/ J4904A/ J9049A/ J9050A	J8772A/ J9064A/ J9030A/ J8775A
Scalability, flexibility, and performance												
Dedicated 10/100 ports	8/24	—	8/22	—	24/48	—	—	24/48	8	24/24/48	—	48–192/flexible
Dedicated 10/100/1000 ports	—	8/22	—	8/22	—/2	20/44	20/44	2	—	2	20/44/20/44	Flexible
Shared 10/100/1000 or mini-GBIC ports	—	—/2	—/2	—/2	2/—	4	4	—	1	—	4	Flexible
Dedicated mini-GBIC ports	—	—	—	—	—/2	—	—	2	—	2	—	Flexible
10G Ports	—	—	—	—	—	—	—	—	—	—	2 X2 and 2 CX4 2900 only	Flexible
Power over Ethernet (PoE)	—	—	—	—	—	—	—	—	+	+	—	—
Supported Mini-GBIC:												
J4858C Gigabit-SX-LC	—	—/ø	—/ø	—/ø	ø	ø	ø	ø	ø	ø	ø	ø
J4859C Gigabit-LX-LC	—	—/ø	—/ø	—/ø	ø	ø	ø	ø	ø	ø	ø	ø
J4860C Gigabit-LH-LC	—	—/ø	—/ø	—/ø	ø	ø	ø	ø	ø	ø	ø	ø
J8177B Gigabit 1000Base-T	—	—	—	—	—/ø	—	—	ø	ø	ø	—	—
J9054B 100-FX SFP-LC	—***	—	—	—	ø	ø	ø	ø	ø	ø	ø	ø
Maximum # of VLANs	—	—	64	64	64	64	256	256	253	256	256	256
GVRP	—	—	—	—	—	+	+	+	+	+	+	+
Data-driven IGMP	—	—	—	—	—/+	+	+	+	+	+	+	+
IGMP v1/v2/v3	—	—	—	—	V2 only	+	+	+	+	+	+	+
MAC table size	1000/4096	8000	8000	8000	8000	8000	8000	8000	8000	8000	8000	16000
Static routes	—	—	—	—	—	—	—	16	16	16	16	16
RIPv1/v2	—	—	—	—	—	—	—	—	—	—	+	—
Noise	0/42 dB	0 dB	0 dB	0 dB	0/43.6 dB	40.3 dB	40.3 dB	0/45 dB	57 dB	46 dB/64 dB	49.3 dB/52 dB	64.2 dB
Operating temperature	0–40°C/0–55°C	0–40°C	0–40°C	0–40°C	0–45°C	0–45°C	0–45°C	0–50°C	0–50°C	0–50°C	0–55°C	0–40°C
Management and visibility												
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	—	—	—	—	—	—	—	+	—	+	+	+
SNMPv1/v2c	—	—	Discovery only	Discovery only	+	+	+	+	+	+	+	+
SNMPv3	—	—	—	—	+	+	+	+	+	+	+	+
TimeP/SNTP	—	—	—	—	+	+	+	+	+	+	+	+
Secure connectivity												
Broadcast control	—	—	+	+	+	+	+	+	+	+	+	+
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 port security	—	—	—	—	+	+	+	+	+	+	+	+
Web-based port security	—	—	—	—	+	+	+	+	+	+	+	+
MAC-based port security	—	—	—	—	+	+	+	+	+	+	+	+
Port security users per port	—	—	—	—	2	2	8	32	32	32	8	8
Secure FTP	—	—	—	—	—	—	+	+	+	+	+	+
SSH/SSL	—	—	—	—	+	+	+	+	+	+	+	+
TACACS+/RADIUS Authn.	—	—	—	—	+	+	+	+	+	+	+	+
Uptime and reliability												
IEEE 802.1s MSTP*	—	—	—	—	+	+	+	+	+	+	+	+
IEEE 802.3ad LACP Trunking	—	—	+	+	+	+	+	+	+	+	+	+
Redundant power supply	—	—	—	—	—	—	ø	ø	ø	ø	ø	ø

* IEEE 802.1s is backward compatible with IEEE 802.1D/IEEE 802.1w
 ** Implemented via source port filtering
 *** Use J4853A 100-FX SC transceiver

ø = optional
 — = not supported
 + = supported