



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

# ProCurve Networking by HP Convergence Device Selection Guide

Products	2600-8-PWR with Gigabit Uplink	2610 series	3500yl series	5400zl series	8212zl	Wireless controller-based system
<b>Ideal environment</b>	Ideal for customers seeking cost-effective switches with integrated PoE and management to support deployment of WLAN access points	Ideal for network edge open-office deployments or wiring closet deployments that provide secure/reliable 10/100 connectivity	Ideal for those seeking performance, security, mobility and convergence capability in a stackable form factor	Ideal for environments driven by performance, security, mobility and convergence capability	Ideal for customers seeking to cost-effectively meet stringent availability requirements without sacrificing performance or flexibility	Ideal for customers needing secure wireless networking
<b>Customers' needs</b>	<ul style="list-style-type: none"> <li>• Layer 2 and 3 (basic IP routing) 10/100 stackable switch</li> <li>• High port density 10/100 connectivity in a 1U form factor</li> <li>• Flexibility: fiber or copper Gigabit connectivity</li> <li>• PoE support for all 8 ports, for IP phones or access ports</li> </ul>	<ul style="list-style-type: none"> <li>• Robust network connectivity with standards-based 10/100 connectivity with Gigabit uplinks</li> <li>• Flexible PoE deployment, including PoE stackable with advanced EDGE features</li> <li>• Granular control of network with more access security, PoE and traffic monitoring</li> <li>• Easy integration and management</li> </ul>	<ul style="list-style-type: none"> <li>• Cost-effective yet scalable switches that support a wide range of applications from Gigabit to the desktop, PoE for IP phones, ACL for access security and virus throttling to prevent downtime</li> <li>• Granular control of network user access and security policy to secure company information assets</li> <li>• Form-factor choices that can fit into different network environments with consistent features, capability and management</li> <li>• Switches with Gigabit interfaces, 10-GbE uplink and room for future software updates</li> </ul>	<ul style="list-style-type: none"> <li>• Cost-effective yet scalable switches that support a wide range of applications from Gigabit to the desktop, PoE for IP phones, ACL for access security and virus throttling to prevent downtime</li> <li>• Granular control of network user access and security policy to secure company information assets</li> <li>• Form-factor choices that can fit into different network environments with consistent features, capability and management</li> <li>• Switches with Gigabit interfaces, 10-GbE uplink, room for future software updates and scalability to different configurations for investment protection</li> </ul>	<ul style="list-style-type: none"> <li>• Large-scale core network aggregation or mission-critical network edge implementations</li> <li>• Comprehensive hardware and software high-availability features</li> <li>• Scalable, wire-speed Gigabit and high-density 10-GbE connectivity</li> <li>• Long-term investment protection via software and hardware upgradability</li> <li>• Feature flexibility (e.g., QoS controls, Gigabit PoE) to enable deployment in a wide range of deployment models</li> <li>• Management simplicity and reduced complexity</li> </ul>	<ul style="list-style-type: none"> <li>• Minimal incremental costs to deploy secure wireless</li> <li>• Ease of use in an integrated environment of wireless and wired networks</li> <li>• Seamless Layer 3 roaming and identity-driven services</li> <li>• Scalable architecture enabling simple and cost-effective expansions as business needs dictate</li> <li>• Easy-to-deploy guest access control, which can be enabled through the built-in RADIUS servers</li> </ul>
<b>Competitive products</b>	<ul style="list-style-type: none"> <li>• Cisco Catalyst 2960 Series</li> <li>• 3Com SS3 3200 Series</li> <li>• 3Com 4500 Series</li> <li>• Nortel Ethernet Switch 400 Series</li> <li>• Dell PowerConnect 3400 Series</li> <li>• NETGEAR FSM7xx</li> <li>• NETGEAR FS7xx</li> <li>• Extreme Summit 300 Series</li> <li>• D-Link DES-3226L</li> <li>• D-Link DES-3828 Series</li> </ul>	<ul style="list-style-type: none"> <li>• Cisco Catalyst 2960 Series</li> <li>• Cisco Catalyst 3560 Series</li> </ul>	<ul style="list-style-type: none"> <li>• Cisco Catalyst 3750 Series</li> <li>• Nortel Ethernet Switch 5000 Series</li> <li>• 3Com Router 5000 Series</li> <li>• Extreme Summit X450 Series</li> <li>• NETGEAR GSM7312</li> <li>• NETGEAR GSM7324</li> <li>• D-Link DGS-3300 Series</li> <li>• D-Link DXS-3300 Series</li> </ul>	<ul style="list-style-type: none"> <li>• Cisco Catalyst 3750 Series</li> <li>• Cisco Catalyst 4500 Series</li> <li>• 3Com Switch 5500 Series</li> <li>• Extreme BlackDiamond 8800</li> <li>• Extreme BlackDiamond 6808</li> <li>• Extreme Summit X450 Series</li> <li>• Foundry FastIron SuperX</li> <li>• Nortel Ethernet Switch 5000</li> <li>• NETGEAR GSM7312, GSM7324</li> <li>• D-Link DGS-3300 and DXS-3300 Series</li> </ul>	<ul style="list-style-type: none"> <li>• Cisco Catalyst 6500 Series</li> <li>• Cisco Catalyst 4500 Series</li> <li>• Foundry FastIron SuperX</li> <li>• Extreme BlackDiamond 8800</li> <li>• Nortel Ethernet Routing Switch 8600 Series</li> </ul>	<ul style="list-style-type: none"> <li>• Cisco 4400 Series Wireless LAN Controllers</li> <li>• Cisco Catalyst 6500 WiSM Module</li> <li>• Aruba 2400 Mobility Controller</li> <li>• 3Com 4400 WLAN Controller</li> <li>• Cisco Aironet 1000 Series</li> <li>• Trapeze Mobility Point 372</li> <li>• 3Com 2750, 3750</li> <li>• Aruba 60, 70, 80 Series AP</li> </ul>

## Standards-based Convergence Features

PoE/802.3af—Ethernet with power, ideal for phones, cameras and more	WiFi WMM—Wireless QoS enhancements to support multimedia transport
LLDP-MED and RFC4675—Automates configuration of phones and network settings	802.11e APSD—Allows wireless VoIP handsets to support more efficient power management
LLDP-MED Fine grained power management—Delivers just the right amount of PoE to save energy	10-GbE uplink—Aggregating to fast pipes ensures optimal application performance
NAC / 802.1X—Identity-driven security at the edge of the network where users connect	sFlow—Standards-based sampling technology allows monitoring of network performance
IGMP & PIM DM/SM—Manages efficient delivery of video and eliminates unnecessary network traffic	SVP—SpectralLink Voice Priority is an open, straightforward voice QoS approach

\* For as long as you own the product, with next-business-day advance replacement (available in most countries). The following products and their related family modules have a one-year warranty with extensions available: ProCurve Routing Switch 9300m Series, ProCurve Switch 8100fl Series, ProCurve Access Control Server 745wl, and ProCurve Network Access Controller 800. For details, refer to the ProCurve Software License, Warranty, and Support booklet at [www.hp.com/rnd/support/warranty/index.htm](http://www.hp.com/rnd/support/warranty/index.htm)



## Stackables

## Chassis

## Wireless controller-based system services

Subcategory	Feature	Stackables				Chassis			Wireless controller-based system services	
		2600-8-PWR with Gigabit Uplink	2610-24/12PWR	2610-24-PWR/ 2610-48-PWR	3500yl-24G-PWR/ 3500yl-48G-PWR	5406zl	5412zl	8212zl	ProCurve Wireless Edge Services zl Module/ProCurve Redundant Wireless Services zl Module	Radio Port 210/ Radio Port 220/ Radio Port 230
Product number		J8762A	J9086A	J9087A/J9089A	J8692A/J8693A	J8697A (chassis) J8699A (48G bundle)	J8698A (chassis) J8700A (96G bundle)	J8715A	J9051A/J9052A	J9004A/J9005A/J9006A
Ports, media and PoE (of 24)	PoE 10/100 ports	8	12 (of 24)	24/48						1
	PoE 10/100/1000 ports				20/44	144	288	288		
	IEEE 802.3af Power over Ethernet	✓	✓	✓	✓	✓	✓	✓		✓
	Pre-standard PoE support	✓	✓	✓	✓	✓	✓	✓		
	Max PoE power with internal PS	125 W	125 W	377 W / 377 W	360 W	1800 W	3600 W	3600 W		
	Max PoE power with RPS	533 W	533 W	785 W / 785 W	1156 W	3600 W	5400 W	5400 W		
Uplink flexibility	ProCurve/IEEE Auto-MDIX	✓	✓	✓	✓	✓	✓	✓		
	1-GbE 1000BaseT/Mini-GBIC	1	4	4	4/4					
	10-GbE X2/CX4 ports				4	24/16	10/32	48		
Performance	Switch fabric speed	9.6 Gbps	12.8 Gbps	12.8 / 17.6 Gbps	115 / 173 Gbps	346 Gbps	692 Gbps	692 Gbps		
Security	Multi-user 802.1X (per port)	8	8	8	32	32	32	32	✓	
	Multi-role access control (802.1X, Mac authentication, Web authentication)		✓	✓	✓	✓	✓	✓	✓	
	Dynamic ARP Protection				✓	✓	✓	✓		
	DHCP Protection Media				✓	✓	✓	✓		
	Dynamic IP Lockdown				✓	✓	✓	✓		
	Virus throttling				✓	✓	✓	✓		✓
Management	ProCurve Manager Plus 2.3	✓	✓	✓	✓	✓	✓	✓	✓	
	Remote Intelligent Mirroring (based on ACL, port, MAC or VLAN)				✓	✓	✓	✓		
	RMON, XRMON, sFlow		✓	✓	✓	✓	✓	✓		✓
	IEEE 802.1AB Link Layer Discovery Protocol (LLDP)	✓	✓	✓	✓	✓	✓	✓		✓
	LLDP-MED (Media Endpoint Devices)	✓	✓	✓	✓	✓	✓	✓		
	LLDP-MED Fine-Grained Power Control				✓	✓	✓	✓		
Resilience and high availability	RFC4675 RADIUS VLAN for voice		✓	✓	✓	✓	✓	✓		
	Command authorization				✓	✓	✓	✓		
	Redundant switch fabric and management module								✓	
	Hot-swappable modules					✓	✓	✓		✓
	Virtual Router Redundancy Protocol				✓ <sup>(1)</sup>	✓ <sup>(1)</sup>	✓ <sup>(1)</sup>	✓ <sup>(1)</sup>		
	IEEE 802.3ad Link Aggregation Control Protocol (LACP)—links per trunk	8	8	8	8	8	8	8		
QoS	ProCurve trunking—links per trunk	8	24	24	36	36	36	36		
	IEEE 802.1s Multiple Spanning Tree Protocol (including STP, RSTP)	✓	✓	✓	✓	✓	✓	✓		
	HW queues per port	4	4	4	8	8	8	8	WiFi WMM and SVP	
	Honor DSCP or 802.1p priority	✓	✓	✓	✓	✓	✓	✓		✓
	Assign 802.1p priority	Classifier	Classifier	Classifier	Classifier	Classifier	Classifier	Classifier		✓
Multicast	Remap DSCP	✓	✓	✓	✓	✓	✓	✓		
	Guaranteed minimum bandwidth per-port, per-queue				✓	✓	✓	✓		
	Prioritization by IP address and UDP/TCP port ranges				✓	✓	✓	✓		
	Data Driven IGMP		✓	✓	✓	✓	✓	✓		
	PIM Multicast Routing				SM <sup>(1)</sup> & DM <sup>(1)</sup>	SM <sup>(1)</sup> & DM <sup>(1)</sup>	SM <sup>(1)</sup> & DM <sup>(1)</sup>	SM <sup>(1)</sup> & DM <sup>(1)</sup>		

(1) Requires premium licence

For a complete list of these products' features and other ProCurve products, such as intelligent edge switches, WAN, mobility and network management, please visit [www.procurve.com/convergence](http://www.procurve.com/convergence)