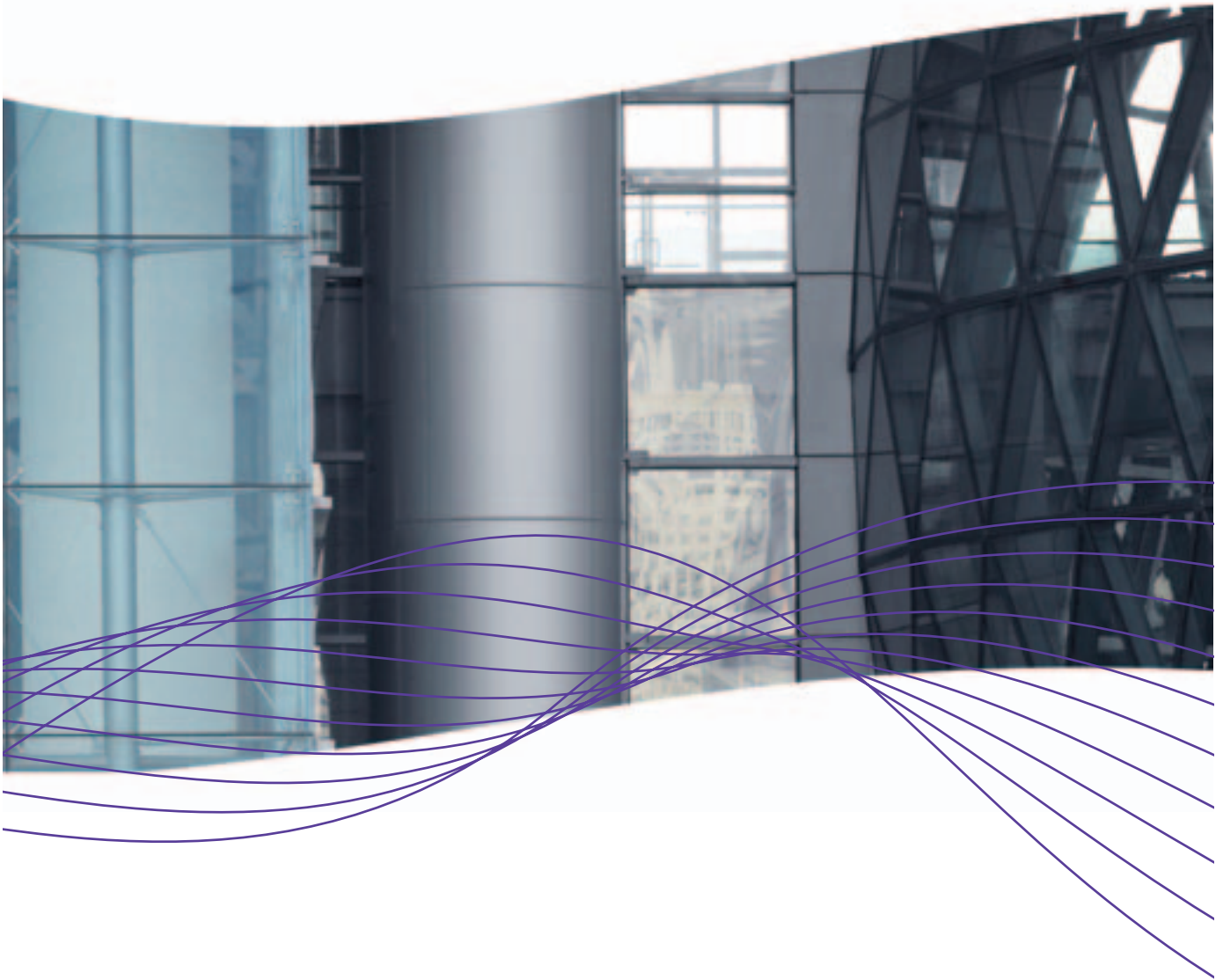


May 2006

ProCurve Networking Competitive Sales Guide



Customers are choosing ProCurve Networking products to build an affordable, streamlined networking environment that meets today's challenges and can handle future performance and application needs.

As your network becomes more public, more converged, and more mobile, there will be an increased need for a network infrastructure that supports new, more aggressive security methods, is ready for new applications, and enables mobile workforces—all with reduced complexity. Traditional solutions to these problems have been one dimensional. New and emerging requirements demand a solution that addresses the choice and flexibility required to deal with secure, mobile, multi-service networks. ProCurve Networking products meet your needs.




ProCurve products come with the legendary commitment to quality and reliability that you expect from HP. With the purchase of ProCurve products, you receive an extensive set of support services, including network design, lifetime warranty* with next-business-day advance replacement for as long as you own the product, electronic support via the Web, and worldwide telephone assistance. A variety of additional services can be purchased to customize your support for even greater reliability.

ProCurve Networking is your strategic business partner for secure, mobile, multi-service networks today and in the future.

ProCurve Networking advantages




- Superior return on IT—price/performance leadership
- Reduced complexity—proactive networking, focused innovation
- Trusted security—secure solutions from a trusted partner
- Proven reliability—highly available, legendary HP quality
- Choice and flexibility—industry-standard solutions

* The ProCurve Routing Switch 9300m series, ProCurve Routing Switch 9408sl, ProCurve Switch 8100fl series, and ProCurve Secure Access 700wl series have a 1-year warranty with extensions available.

	ProCurve product name (product number)	ProCurve industry-leading features	Customer requirements	Competing products
ProCurve Interconnect Switches—Traditional Core Switches	ProCurve Routing Switch 9408sl – ProCurve Routing Switch 9408sl (J8680A) 	<ul style="list-style-type: none"> • Wire-speed IPv6 • Seamless IPv6 and IPv4 integration for applications and networks to interoperate • Maximum flexibility in network user access • High-availability features and functionality protect against network downtime • Solves the emerging issues in LAN backbone environments driven by the convergence of voice, video, and data onto one IP network • Industry-leading 10-Gigabit Ethernet port density for scalable, cost-effective 10-Gigabit aggregation in the network core 	<ul style="list-style-type: none"> • Provides investment protection by supporting emerging technologies and applications • High resiliency and reliability to support mission-critical applications • Network managers to build highly secure networks to protect corporate assets • Choice and flexibility for designing the optimal network to enable business processes 	<ul style="list-style-type: none"> • Cisco Catalyst 6500 Series • Extreme BlackDiamond 10808 • Nortel Ethernet Routing Switch 8600 Series • 3Com 8800 Series
	ProCurve Routing Switch 9300m Series – ProCurve Routing Switch 9304m (J4139A) – ProCurve Routing Switch 9308m (J4138A) – ProCurve Routing Switch 9315m (J4874A) 	<ul style="list-style-type: none"> • sFlow wire-speed traffic accounting and monitoring • Jumbo frames on Gigabit and 10-Gigabit ports • Ultra high performance, with up to 345 million PPS throughput • Hardware-based, wire-speed access control lists (ACLs) • Hardware- and software-based high-availability features for increased uptime: automatic routing failover and optional redundant management, redundant power supply, and hot-swappable modules • Unparalleled security using Secure Shell (SSH), Secure Copy, wire-speed rate limiting, and user authentication (RADIUS and TACACS+) 	<ul style="list-style-type: none"> • Scalable Layer 3 and 4+ high-performance routing and switching for the network core • Full Layer 3 multi-protocol routing capability • High availability and interoperability • 10-Gigabit Ethernet bandwidth • High port density for aggregation in the network core • Robust traffic monitoring and accounting capability 	<ul style="list-style-type: none"> • Cisco Catalyst 6500 Series • Extreme BlackDiamond 8800 • Extreme BlackDiamond 6808 • Nortel Ethernet Routing Switch 8300 Series • 3Com 7750 Series
ProCurve Interconnect Switches—Interconnect Fabric Switches	ProCurve Switch 8100fl Series – ProCurve Switch 8108fl (J8727A) – ProCurve Switch 8116fl (J8728A) 	<ul style="list-style-type: none"> • High performance, non-blocking on every port • Provides investment protection by helping to maximize future functionality and ability to deploy new applications • Provides scalability for future network growth • Enables easy and gradual migration to an Adaptive EDGE Architecture network design • The ProCurve Switch 8100fl series is architected for unparalleled high availability to help prevent network downtime 	<ul style="list-style-type: none"> • The network must deliver more functionality and performance at affordable prices while simplifying operation • The network must dynamically adapt its behavior and optimize its performance to ensure successful deployment of applications • Technology purchased today must meet today's needs while easily and affordably scaling to meet future needs • The customer must have already deployed intelligence at the edge and is now looking to upgrade their existing traditional core interconnect 	<ul style="list-style-type: none"> • Cisco Catalyst 6500 Series • Extreme BlackDiamond 10808 • Nortel Ethernet Routing Switch 8600 Series • 3Com 8800 Series







For more information about these products, visit our Web site at www.procurve.com

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ProCurve product name (product number)	ProCurve industry-leading features	Customer requirements	Competing products
<p>ProCurve Switch 6400cl Series – ProCurve Switch 6400cl (J8433A) – ProCurve Switch 6410cl (J8474A)</p>  <p>ProCurve Switch 6400cl</p>	<ul style="list-style-type: none"> • Cost-effective, high-density 10G stackable for aggregation • 802.3ad Link Aggregation Control Protocol (LACP) and ProCurve trunking support up to 4 trunks, each with up to 4 links (ports) per trunk; trunking across modules is supported • 802.1s Multiple Spanning Tree provides high link availability in multiple VLAN environments by allowing multiple spanning trees • 802.1w Rapid Convergence Spanning Tree Protocol increases network uptime through faster recovery from failed links • Layer 3 IP routing provides routing of IP at media speed; supports static routes, RIP, RIPV2, and OSPF 	<ul style="list-style-type: none"> • High-performance Layer 2, 3, and 4 switching, facilitating control to the edge • Prioritization and QoS features that bring full convergence to the desktop • 10-GbE connectivity at the edge 	<ul style="list-style-type: none"> • Foundry Edgelron 8X10G
<p>ProCurve Switch 6200yl-24G-mGBIC – ProCurve Switch 6200yl-24G-mGBIC (J8992A)</p>  <p>ProCurve Switch 6200yl-24G-mGBIC</p>	<ul style="list-style-type: none"> • High-performance flexible media aggregator • Protection against network downtime with CPU protection, virus throttling, multiple security authentication methods • High-availability features such as meshing, OSPF-ECMP trunking, VRRP and redundant power supply/removable management module (for the chassis-based switch) help minimize network downtime • Flexibility to build scalable networks through chassis choice, media choice, and integrated Gigabit PoE • Reduce deployment, operation, and maintenance costs with features such as virus/ICMP throttling, switch CPU protection, and identity-driven ACL, which automatically helps protect against malicious attacks • Enable deployment of convergence and mobility applications faster and more cost-effectively by simplifying choice 	<ul style="list-style-type: none"> • Granular control of network user access and security policy to secure company information assets • Form-factor choices that can fit into different network environments with consistent features, capability, and management • Cost-effective flexible media aggregator 	<ul style="list-style-type: none"> • Cisco Catalyst 3750 Series • Nortel Ethernet Routing Switch 5000 Series • 3Com Switch 5500 Series • Extreme Summit 400 Series • Extreme Summit X450 Series
<p>ProCurve Switch 6108 – ProCurve Switch 6108 (J4902A)</p>  <p>ProCurve Switch 6108</p>	<ul style="list-style-type: none"> • Managed 8-port switch with 6 auto-sensing 10/100/1000 ports and 2 dual-personality ports for 10/100/1000 or mini-GBIC connectivity • Layer 3 basic IP routes enable VLAN-to-VLAN communication for control to the edge in IP networks • Wire-speed performance at Layer 2 and 3 • Stacking capability: single IP address management for a virtual stack of up to 16 ProCurve switches 	<ul style="list-style-type: none"> • Layer 2 and 3 (basic IP routing) 10/100/1000 stackable switch • Access tier aggregation with 2 optional Gigabit fiber uplinks to connect at distances of up to 70 km • Top-of-stack 10/100 stackable aggregator 	<ul style="list-style-type: none"> • Dell PowerConnect 5012 • Netgear GSH712 • Extreme Summit 5i


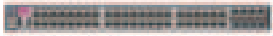
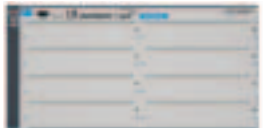
For more information about these products, visit our Web site at www.procurve.com

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	ProCurve product name (product number)	ProCurve industry-leading features	Customer requirements	Competing products
ProCurve Edge Devices—WAN	ProCurve Secure Router 7000dl Series – ProCurve Secure Router 7102dl (J8752A) – ProCurve Secure Router 7203dl (J8753A) 	<ul style="list-style-type: none"> • Highly secure: stateful firewall, IPSec VPN, 802.1x supplicant, NAT support, management security (SSHv2, secure copy, encrypted passwords, SSL) • Ease of use with LLDP, standard CLI that users can understand intuitively, wizards to configure VPN and firewall, central management ability • Convergence ready VoIP, Layer 2/3/4 QoS, traffic shaping, and QoS for Ethernet ports • High performance more affordably; rapid adaptation and expandability makes the investment in the 7000dl series wise • Standards support: BGP4, frame relay/MLFR, PPP/MLPPP, and HDLC; IPSec support for interoperability 	<ul style="list-style-type: none"> • Secure remote connectivity for mobile users to securely connect back to their corporate offices • Reduced installation costs achieved by a compact flash slot, allowing a user to rapidly configure and bring up a remote office • Reduced training costs through industry-accepted command-line interface 	<ul style="list-style-type: none"> • Cisco 2800 Series Integrated Services Router • Cisco 1800 Series Integrated Services Router • 3Com Router 5000 Series
	ProCurve Secure Router 7203dl 			
ProCurve Edge Devices—LAN: Intelligent Edge Switches	ProCurve Switch 5400zl Series – ProCurve Switch 5406zl Intelligent Edge (J8697A) – ProCurve Switch 5406zl-48G Intelligent Edge (J8699A) – ProCurve Switch 5412zl Intelligent Edge (J8698A) – ProCurve Switch 5412zl-96G Intelligent Edge (J8700A) 	<ul style="list-style-type: none"> • Protection against network downtime with CPU protection, virus throttling, multiple security authentication methods • High-availability features such as meshing, OSPF-ECMP trunking, VRRP and redundant power supply/removable management module (for the chassis-based switch) help minimize network downtime • Flexibility to build scalable networks through chassis choice, media choice, and integrated Gigabit PoE • Reduce deployment, operation, and maintenance costs with features such as virus/ICMP throttling, switch CPU protection, and identity-driven ACL, which automatically helps protect against malicious attacks • Enable deployment of convergence and mobility applications faster and more cost-effectively by simplifying choice 	<ul style="list-style-type: none"> • Cost-effective yet scalable switches that support a wide variety of applications from Gigabit to the desktop, PoE for IP phones, ACL for access security, and virus throttling to prevent downtime • Granular control of network user access and security policy to secure company information assets • Form-factor choices that can fit into different network environments with consistent features, capability, and management • Switches with Gigabit interfaces, 10-GbE uplink, room for future software updates, and scalable to different configurations for investment protection 	<ul style="list-style-type: none"> • Cisco Catalyst 3750 Series • Cisco Catalyst 4500 Series • 3Com Switch 7750 • 3Com Switch 5500 Series • Extreme BlackDiamond 8800 • Extreme BlackDiamond 6808 • Extreme Summit X450 Series • Foundry FastIron SuperX • Nortel Ethernet Switch 5000 • Netgear GSM7312 • Netgear GSM7324 • D-Link DGS-3300 Series • D-Link DXS-3300 Series
	ProCurve Switch 5406zl-48g Intelligent Edge 			
	ProCurve Switch 3500yl Series – ProCurve Switch 3500yl-24G-PWR Intelligent Edge (J8692A) – ProCurve Switch 3500yl-48G-PWR Intelligent Edge (J8693A) 	<ul style="list-style-type: none"> • Protection against network downtime with CPU protection, virus throttling, multiple security authentication methods • High-availability features such as meshing, OSPF-ECMP trunking, VRRP and redundant power supply/removable management module (for the chassis-based switch) help minimize network downtime • Flexibility to build scalable networks through chassis choice, media choice, and integrated Gigabit PoE • Reduce deployment, operation, and maintenance costs with features such as virus/ICMP throttling, switch CPU protection, and identity-driven ACL, which automatically helps protect against malicious attacks • Enable deployment of convergence and mobility applications faster and more cost-effectively by simplifying choice 	<ul style="list-style-type: none"> • Cost-effective yet scalable switches that support a wide variety of applications from Gigabit to the desktop, PoE for IP phones, ACL for access security, and virus throttling to prevent downtime • Granular control of network user access and security policy to secure company information assets • Form-factor choices that can fit into different network environments with consistent features, capability, and management • Switches with Gigabit interfaces, 10-GbE uplink, room for future software updates 	<ul style="list-style-type: none"> • Cisco Catalyst 3750 Series • Nortel Ethernet Switch 5000 Series • 3Com Switch 5000 Series • Extreme Summit X450 Series • Netgear GSM7312 • Netgear GSM7324 • D-Link DGS-3300 Series • D-Link DXS-3300 Series
	ProCurve Switch 3500yl-48G-PWR 			




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	ProCurve product name (product number)	ProCurve industry-leading features	Customer requirements	Competing products
ProCurve Edge Devices—LAN: Intelligent Edge Switches	<p>ProCurve Switch 5300xl Series</p> <ul style="list-style-type: none"> ProCurve Switch 5304xl (J4850A) ProCurve Switch 5348xl (J4849B) ProCurve Switch 5308xl (J4819A) ProCurve Switch 5372xl (J4848B) ProCurve Switch 5308xl-48G (J8167A) ProCurve Switch 5304xl-32G (J8166A)  <p>ProCurve Switch 5372xl</p>	<ul style="list-style-type: none"> High-density, modular flexibility for up to 192 10/100 ports or 144 Gigabit ports Wire-speed Layer 2, 3, and 4 switches for less than the price of competitors' Layer 2 modular switches HP switch meshing dynamically load-balances across multiple active redundant links RMON, XRMON, SMON, and sFlow QoS features at Layer 4 and at Layer 3, including per-port rate limiting Access and management security features, including 802.1X, Web-based authentication, Secure Shell (SSH), Secure Sockets Layer (SSL), RADIUS and TACACS+, MAC address lockdown, SNMPv3, and powerful ACL capability Hardware- and software-based availability features, including 802.1s, 802.1w, HP trunking, HP switch meshing, LACP (802.1ad), hot-swappable modules, dual flash images, router redundancy (XRRP), and optional redundant power supply IEEE 802.3af Power over Ethernet (PoE) compliant 	<ul style="list-style-type: none"> High-performance Layer 2, 3, and 4 switching, facilitating control to the edge Flexible 10/100/1000 aggregation for distribution and enterprise access layer Scalable, modular form factor to support ease of expansion for future network requirements Prioritization and QoS features that bring full convergence to the desktop 	<ul style="list-style-type: none"> Cisco Catalyst 3560 Series Cisco Catalyst 3750 Series Cisco Catalyst 4500 Series 3Com Switch 5500 Series 3Com Switch 4500 Series Extreme Alpine 3800 Series Extreme Summit 200 Series Netgear GSM7312 Netgear GSM7324 Dell PowerConnect 6024 Dell PowerConnect 3400 Series Dell PowerConnect 5324
	<p>ProCurve Switch 3400cl Series</p> <ul style="list-style-type: none"> ProCurve Switch 3400cl-24G (J4905A) ProCurve Switch 3400cl-48G (J4906A)  <p>ProCurve Switch 3400cl-48G</p>	<ul style="list-style-type: none"> Advanced Layer 3 IP routing, supporting RIPv1, RIPv2, OSPF Access and security management including SSHv2, SSL, SNMPv3, TACACS+, 802.1X, RADIUS network login, MAC address lockdown, RMON, XRMON, SMON, sFlow, ACLs, 802.1Q QoS at Layer 4 and at Layer 3 Flexibility and ease of management, including LLDP, LACP, HP trunking, IGMPv3, jumbo frames, 802.1w, 802.1s, XRRP Stacking capability: single IP address management for a virtual stack of up to 16 ProCurve switches High performance, including 10-GbE SC-LR, CX4, SC-ER options 	<ul style="list-style-type: none"> High-performance Layer 2, 3, and 4 switching, facilitating control to the edge Flexible 10/100/1000 aggregation for distribution and enterprise access layer Prioritization and QoS features that bring full convergence to the desktop 10-GbE connectivity at the edge 	<ul style="list-style-type: none"> Cisco Catalyst 3750 Nortel Ethernet Routing Switch 5500 Series 3Com SS3 3870 Series Extreme Summit 400 Series Dell PowerConnect 5324 Dell PowerConnect 6024
ProCurve Edge Devices—LAN: Edge Switches (Managed)	<p>ProCurve Switch 4200vl Series</p> <ul style="list-style-type: none"> ProCurve Switch 4202vl-48G (J8771A) ProCurve Switch 4202vl-72 (J8772A) ProCurve Switch 4204vl (J8770A) ProCurve Switch 4208vl (J8773A) ProCurve Switch 4208vl-64G (J8774A) ProCurve Switch 4208vl-96 (J8775A)  <p>ProCurve Switch 4208vl</p>	<ul style="list-style-type: none"> High-density, modular flexibility RMON and SMON Modular flexibility for the price of competitors' stackables Access and management security features, including TACACS+, Secure Shell (SSH), Secure Sockets Layer (SSL), 802.1X, SNMPv3, RADIUS network login, and MAC address lockdown Hardware- and software-based high-availability features, including hot-swappable modules, dual flash images, and optional redundant power supply Stacking capability: single IP address management for a virtual stack of up to 16 ProCurve switches IEEE 802.3af Power over Ethernet (PoE) compliant 	<ul style="list-style-type: none"> Layer 2 and 3 (basic IP routing) 10/100/1000 switching High-density and high-performance Layer 2 switching without stacking bottlenecks Scalable, modular form factor to support ease of expansion for future network requirements High-performance, low-cost network infrastructure for the access layer 	<ul style="list-style-type: none"> Cisco Catalyst 2960 Series 3Com SS3 Switch 4400 3Com Switch 4500 Series Nortel Ethernet Routing Switch 5510 Dell PowerConnect 3400 Series Dell PowerConnect 5324 Dell PowerConnect 6024






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ProCurve product name (product number)	ProCurve industry-leading features	Customer requirements	Competing products
ProCurve Switch 4100gl Series – ProCurve Switch 4108gl (J4865A) – ProCurve Switch 4108gl Bundle (J4861A) – ProCurve Switch 4104gl (J4887A) – ProCurve Switch 4148gl (J4888A) – ProCurve Switch 4140gl (J8151A) – ProCurve Switch 4160gl (J8152A)	<ul style="list-style-type: none"> High-density, modular flexibility for up to 192 10/100 ports or 160 Gigabit ports Fast Path technology yields best price/performance in its class Layer 3 basic IP routes enable VLAN-to-VLAN communications for control to the edge in IP networks RMON and SMON Modular flexibility for the price of competitors' stackables Access and management security features, including TACACS+, Secure Shell (SSH), Secure Sockets Layer (SSL), 802.1X, SNMPv3, RADIUS network login, and MAC address lockdown Hardware- and software-based high-availability features include hot-swappable modules, dual flash images, and optional redundant power supply Stacking capability: single IP address management for a virtual stack of up to 16 ProCurve switches 	<ul style="list-style-type: none"> Layer 2 and 3 (basic IP routing) 10/100/1000 switching High port density and high-performance Layer 2 switching without stacking bottlenecks Scalable, modular form factor to support ease of expansion for future network requirements High-performance, low-cost network infrastructure for the access layer 	<ul style="list-style-type: none"> Cisco Catalyst 2960 Series 3Com SS3 Switch 4200 3Com SS3 Switch 4400 Nortel Ethernet Switch 470 Dell PowerConnect 3400 Series Extreme Summit 300 Series <p>The ProCurve Switch 4100gl series is a modular alternative to competitors' stackable products.</p>
 ProCurve Switch 4160gl			
ProCurve Switch 2800 Series – ProCurve Switch 2824 (J4903A) – ProCurve Switch 2848 (J4904A)	<ul style="list-style-type: none"> Managed 1U stackable switch with 20 or 44 10/100/1000 ports and 4 dual-personality ports for 10/100/1000 or mini-GBIC connectivity Highest 10/100/1000 port density in a 1U stackable Layer 3 basic IP routes enable VLAN-to-VLAN communication for control to the edge in IP networks Access and management security features, including TACACS+, Secure Shell (SSH), Secure Sockets Layer (SSL), source port filters, 802.1X, SNMPv3, RADIUS network login, and MAC address lockdown 	<ul style="list-style-type: none"> High performance for latency-sensitive and/or bandwidth-intensive applications Server farm connectivity Gigabit connectivity for medium to large user wiring closets Layer 3 functionality (basic IP routing) High port density in a compact 1U form factor Robust security Flexibility: fiber or copper Gigabit connectivity Easy deployment 	<ul style="list-style-type: none"> Cisco Catalyst 3560 Series Cisco Catalyst 2960 Series Nortel Ethernet Routing Switch 5000 Series Dell PowerConnect 5212 Dell PowerConnect 5324 Netgear GSM7224 Netgear GSM7248 Netgear GSM7324 Netgear GS724T Netgear GS748T
 ProCurve Switch 2848			
ProCurve Switch 2600 Series – ProCurve Switch 2650 (J4899B) – ProCurve Switch 2626 (J4900B) – ProCurve 2650-PWR (J8165A) – ProCurve 2626-PWR (J8164A) – ProCurve 2600-8-PWR with Gigabit Uplink (J8762A)	<ul style="list-style-type: none"> Managed stackable switch with 24 or 48 auto-sensing 10/100 ports and 2 dual-personality ports for 10/100/1000 or mini-GBIC connectivity IEEE 802.3af Power over Ethernet (PoE) compliant and provides up to 15.4 W per port on all ports Layer 3 basic IP routes enable VLAN-to-VLAN communication for control to the edge in IP networks Access and management security features, including TACACS+, Secure Shell (SSH), Secure Sockets Layer (SSL), 802.1X, RADIUS network login, and MAC address lockdown Stacking capability: single IP address management for a virtual stack of up to 16 ProCurve switches 	<ul style="list-style-type: none"> Layer 2 and 3 (basic IP routing) 10/100 stackable switch High port density 10/100 connectivity in a 1U form factor Flexibility: fiber or copper Gigabit connectivity PoE support for all 24 or 48 IP phones or access points 	<ul style="list-style-type: none"> Cisco Catalyst 2960 Series 3Com SS3 3200 Series 3Com 4500 Series Nortel Ethernet Switch 400 Series Dell Power Connect 3400 Series Netgear FSM726S Netgear FSM750S Netgear FSM7326P Netgear FSM7352PS Netgear FS726TP Netgear FS728TS Netgear FS750T2 Netgear FS752TS Extreme Summit 300 Series D-Link DES-3226L D-Link DES-3828 Series
 ProCurve Switch 2650			



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	ProCurve product name (product number)	ProCurve industry-leading features	Customer requirements	Competing products
ProCurve Edge Devices—LAN: Edge Switches (Managed)	ProCurve Switch 2500 Series – ProCurve Switch 2524 (J4813A) – ProCurve Switch 2512 (J4812A) 	<ul style="list-style-type: none"> • Low-cost, managed Layer 2 switches with 12 or 24 10/100 auto-sensing ports and 2 open transceiver slots • High-performance switch-on-a-chip design with non-blocking architecture • Media-flexible uplink ports provide 100/1000-T, Gigabit-LX, Gigabit-SX, or 100-FX connectivity • RMON and SMON • 802.3ad Link Aggregation Control Protocol (LACP) and HP trunking • Stacking capability: single IP address management for a virtual stack of up to 16 ProCurve switches 	<ul style="list-style-type: none"> • Layer 2 stackable 10/100 switch • Affordable 10/100 managed switch with uplinks • Premier reliability and quality from a top-tier vendor with industry-leading price/performance 	<ul style="list-style-type: none"> • Cisco Catalyst 2960T-24 switch • 3Com SS3 3200 Series • 3Com Switch 4200 Series • Dell PowerConnect 3400 Series • Netgear FSM726 • Netgear FS728TS • Netgear FS726T • D-Link DES-3226L
	ProCurve Switch 2524 	<ul style="list-style-type: none"> • Low-cost, unmanaged 24- and 8-port switches • Industry-leading performance at low total cost of ownership • 10/100/1000 auto-sensing per port automatically sets the speed for any 10Base-T, 100-TX, or 1000-T device 	<ul style="list-style-type: none"> • Unmanaged 10/100/1000 switch • Gigabit to the desktop • Plug and play, and easy to use • Building networks with any combination of 10 Mbps, 100 Mbps, and 1000 Mbps devices 	<ul style="list-style-type: none"> • 3Com Baseline Switch 2800 Series • Netgear GS516T • Netgear GS108TNA • Netgear GS524T • Netgear JGS524TNA • D-Link DGS-1008TL • D-Link DES-1024D
ProCurve Edge Devices—LAN: Edge Switches (Unmanaged)	Unmanaged stackables – ProCurve Switch 2324 (J4818A) – ProCurve Switch 2312 (J4817A) – ProCurve Switch 2124 (J4868A) – ProCurve Switch 408 (J4097B) 	<ul style="list-style-type: none"> • ProCurve Switches 2324 and 2312 are low-cost, unmanaged 24- and 12-port switches with 10/100 auto-sensing per port and 2 open transceiver slots for Gigabit or 100Base-FX uplinks • ProCurve 2124 is a low-cost, unmanaged 24-port switch with 10/100 auto-sensing per port and 1 open transceiver slot for 100Base-FX uplink • ProCurve Switch 408 is a compact, unmanaged 8-port 10/100 switch 	<ul style="list-style-type: none"> • Unmanaged 10/100 switches • Low-cost, unmanaged connectivity requiring high-speed uplinks • Use on the desktop or in a rack • Building small networks or connecting peripherals with any combination of 10 Mbps or 100 Mbps devices • Plug and play, and easy to use • Flexibility for uplinks 	<ul style="list-style-type: none"> • 3Com Baseline 2000 Series • 3Com Baseline 2126-G • Netgear FS524 • Netgear FS108 • Netgear FS116 • Netgear JFS516NA • Dell PowerConnect 2200 Series • Dell PowerConnect 2300 Series • D-Link DSS-16+ • D-Link DES-10124D • D-Link DES-1016R+
	ProCurve Switch 2324 			
	ProCurve Switch 408 			




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ProCurve product name (product number)	ProCurve industry-leading features	Customer requirements	Competing products
<p>NEW ProCurve Wireless Edge Services xl Module</p> <p>– ProCurve Wireless Edge Services xl Module (J9001A)</p>  <p>ProCurve Wireless Edge Services xl Module</p>	<ul style="list-style-type: none"> Flexibility in defining security policies to control network user access; with built-in support for ProCurve Identity Driven Manager user-based ACLs, network users are presented with a consistent and customized user experience Improved performance of wireless LAN through automatic adjustment of power levels if AP fails; quickly shifts transmit power and data rates Protection against network downtime provided by a redundant module at extremely competitive price, offering simple solution for seamless failover Wireless network assumes advanced security features of Switch 5300xl series, including virus throttling and ICMP throttling; rogue AP detection reported to management station 	<ul style="list-style-type: none"> Minimal incremental costs to deploy secure wireless Ease of use in an integrated environment of wireless and wired Prepare network for next-generation technologies by thinking ahead of services that will be used 	<ul style="list-style-type: none"> Cisco 4400 Series Wireless Controllers Cisco Catalyst 6500 WiSM Module Aruba 2400 Mobility Controller 3Com 4400 WLAN Controller
<p>NEW ProCurve Radio Port 200 Series</p> <p>– ProCurve Radio Port 210 (J9004A)</p> <p>– ProCurve Radio Port 220 (J9005A)</p> <p>– ProCurve Radio Port 230 (J9006A)</p>  <p>ProCurve Radio Port 210</p>	<ul style="list-style-type: none"> Automatically assigns users to the appropriate VLAN based on their identity, community, location, and time of day Automatically applies egress rate limits to user traffic based on identity, community, location, and time of day Choices of IEEE 802.11i, Wi-Fi Protected Access 2 (WPA2), or WPA help lock out unauthorized wireless access by authenticating users prior to granting network access; robust Advanced Encryption Standard (AES) or Temporal Key Integrity Protocol (TKIP) encryption secures the data integrity of the wireless traffic A wireless client is authenticated with a RADIUS server based on the MAC address of the client; this is useful for clients that have minimal or no user interface Local wireless bridge client traffic filtering, when enabled, prevents communication between wireless devices associated with the same access point Closed system restricts broadcast of SSID as a security measure to conceal presence of the wireless network; access point does not respond to the wireless client probe request of “ANY” IEEE 802.1X provides port-based user authentication with support for Extensible Authentication Protocol (EAP) MD-5, TLS, TTLS, and PEAP with choice of AES, TKIP and static or dynamic WEP encryption for protecting wireless traffic between authenticated clients and the access point 	<ul style="list-style-type: none"> Ease of use through standards and intuitive configurations Secure and scalable Robust feature set 	<ul style="list-style-type: none"> Cisco Aironet 1000 series Trapeze Mobility Point 372 3Com 2750 3Com 3750 Aruba 60 Series APs Aruba 70 Series APs Aruba 80 Series APs



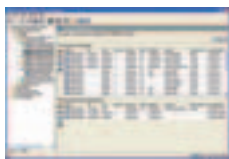
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Product photos are not necessarily to scale. Actual product appearance may differ slightly. Some products are shown with optional transceivers or modules installed.

	ProCurve product name (product number)	ProCurve industry-leading features	Customer requirements	Competing products
ProCurve Edge Devices—Wireless LAN: Secure Access ProCurve Edge Devices—Wireless LAN: Access Points	ProCurve Secure Access 700wl Series – ProCurve Access Controller 720wl (J8153A) – ProCurve Access Control Server 740wl (J8154A) – ProCurve Integrated Access Manager 760wl (J8155A) – ProCurve Switch xl Access Controller Module for 5300xl series (J8162A) 	<ul style="list-style-type: none"> • Centralized security configuration and policy management of all users of the wireless network • User authentication and appropriate access to network resources can be controlled at the edge of the network • Rights-based network access control and management based on user, group, time, and location • Supports secure, uninterrupted roaming across subnets, so users maintain persistent connectivity to the network and applications • Supports robust industry-standard security protocols • Seamlessly integrates into an existing network infrastructure • No special client software or client reconfiguration required 	<ul style="list-style-type: none"> • Simplified user and security policy management • Safeguard network integrity • Ensure privacy of wireless traffic • Standards-based authentication • Centralized access control • Enable secure roaming • Ability to grant appropriate visitor access • Investment protection and scalability 	<ul style="list-style-type: none"> • Extreme Summit 300-48 • Nortel WLAN 2250 • Nortel WLAN 2270 • 3Com WX1200 • 3Com WX4400
	ProCurve Wireless Access Points – ProCurve Wireless Access Point 420 NA (J8130A) – ProCurve Wireless Access Point 420 WW (J8131A) 	<ul style="list-style-type: none"> • IEEE 802.11g single-radio design allows for selecting either IEEE 802.11b or 802.11g with optional fallback support for 802.11b • Integrated 802.3af Power over Ethernet • Support for latest industry-standards-based security, including IEEE 802.1X with per-user/per-session encryption and Wi-Fi Protected Access (WPA) • Multiple VLAN support • Adjustable output power controls cell size for high-density deployments 	<ul style="list-style-type: none"> • Support for IEEE 802.11g wireless users • Flexibility of fallback support for IEEE 802.11b • Power over Ethernet • Fast, secure wireless access to network resources, e-mail, and the Internet • Interoperability with existing network 	<ul style="list-style-type: none"> • Cisco Aironet 1100 • 3Com Wireless LAN Access Point 7000 Series • Proxim Orinoco AP-600 b/g Access Point
	NEW ProCurve Access Points – ProCurve Access Point 530 NA (J8986A) – ProCurve Access Point 530 WW (J8987A) 	<ul style="list-style-type: none"> • Reduce complexity using centralized, unified network management of the network, regardless if wired and wireless • Protection against network downtime through local RADIUS authentication fallback, maintaining secure, local wireless network access • Flexibility in defining security policies to control network user access 	<ul style="list-style-type: none"> • Improved user productivity using advanced wireless security and identity-driven user access control • Lower ownership costs with lifetime warranty, flexible radio configuration, and simple policy enforcement with IDM • Consistent and no-cost software updates help extend product lifecycle 	<ul style="list-style-type: none"> • Cisco Aironet 1130AG, 1240AG • 3Com 8750

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ProCurve product name (product number)	ProCurve industry-leading features	Customer requirements	Competing products
<p>ProCurve Manager 2.1 and ProCurve Manager Plus 2.1</p>  <p>ProCurve Manager 2.1 and ProCurve Manager Plus 2.1</p>	<ul style="list-style-type: none"> Alerts and troubleshooting present detailed information on the problem, even down to the specific port Automatic discovery for fast discovery of all ProCurve devices Topology and mapping creating a color-coded map that can indicate device status and connection status, and allowing multiple levels of navigation (physical view, subnet view, or VLAN view) In-depth network analysis with an integrated, low-overhead traffic monitor that shows detailed info on top talkers and traffic levels using advanced sampling protocols Advanced VLAN management Device software updates SNMPv3 OpenView NNM integration Command-line interface (CLI) control as well as advanced scripting abilities 	<ul style="list-style-type: none"> An easy-to-use interface with top-down, real-time information on your network Investment protection with a modular architecture that allows the future purchase of specialized add-ons Enhanced policy management features allow for a more secure network Easier inventory management with device group policies and archiving of device configurations Global VLAN management for creating and assigning VLANs across the entire network 	<ul style="list-style-type: none"> Cisco CiscoWorks LMS Extreme EPICenter Nortel Optivity NMS Dell OpenManager 3Com Network Director 3Com Network Administrator
<p>ProCurve Identity Driven Manager 2.0</p>  <p>ProCurve Identity Driven Manager 2.0</p>	<ul style="list-style-type: none"> Increased return from existing networking resources by using several technologies such as VLAN tagging, bandwidth metering, and CoS features already built into the ProCurve switch platform User-based ACLs Dynamically and automatically changing the appropriate access to network resources enables business groups to reduce time delays due to manual security approvals Dynamic enforcement of network access policy on a per-user basis rather than a per-port basis allows for "moving" policy enforcement On-demand synchronization between IDM and authentication database 	<ul style="list-style-type: none"> Environments that need the ability to control the access rights of network users to ensure that the most important functions within a business are the highest priority An easy-to-use interface that extends abilities without overcomplicating the task, making day-to-day operations of security an easy-to-manage task 	<ul style="list-style-type: none"> Cisco Access Control Server Enterasys Netsight Policy Manager
<p>ProCurve Mobility Manager 1.0</p>  <p>ProCurve Mobility Manager 1.0</p>	<ul style="list-style-type: none"> Unified management of wired and wireless LAN Rogue device detection: alerts administrators to untrusted devices discovered via radio frequency scans (utilizing ProCurve access points) Centralized application of security policies: template-based, group configuration of access-point security settings (including encryption keys and SSIDs) helps ensure consistent application of a business's security policies Automated configuration checking: administrators can be alerted to any changes to device configurations, helping to mitigate potential gaps in security policy Group-based channel lockdown: mitigate RF interference by centrally enabling and locking down auto channel selection on a group of ProCurve access points Group-based configuration and firmware updates: centrally assign access points to groups and apply customized configurations and firmware updates, either in real-time or on a scheduled basis Customizable quick-view screens: administrators can easily build customized views by choosing from a comprehensive list of parameters, so they can specify exactly what they want to see 	<ul style="list-style-type: none"> Rogue access point detection and lockdown Integrated wired and wireless environments Simpler management tools Insight into the current health of the wireless network 	<ul style="list-style-type: none"> Cisco LMS and WLSE 3Com WSM and Net Admin

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For more information

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4AA0-5259ENW, April 2006

