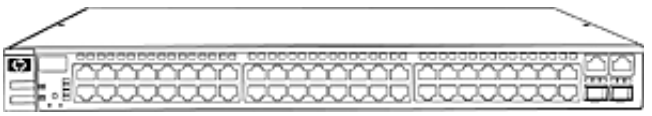
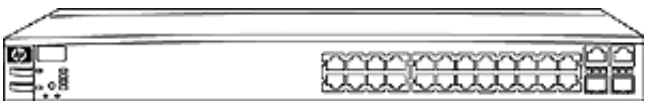
Overview

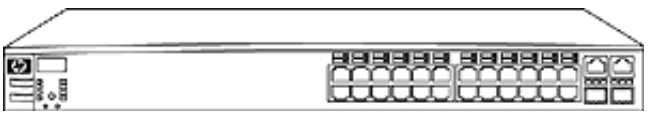


ProCurve Switch 2650

ProCurve Switch 2650-PWR



ProCurve Switch 2626



ProCurve Switch 2626-PWR

ProCurve Switch 2600-8-PWR with Gigabit Uplink

Models

ProCurve Switch 2600-8-PWR with Gigabit Uplink	J8762A
ProCurve Switch 2650	J4899B
ProCurve Switch 2650-PWR	J8165A
ProCurve Switch 2626	J4900B
ProCurve Switch 2626-PWR	J8164A

Introduction

The ProCurve Switch 2600 series is a collection of low-cost, stackable, multi-layer, managed switches with 48, 24, or 8 auto-sensing 10/100 ports and dual-personality ports for 10/100/1000 or mini-GBIC connectivity. The ProCurve Switch 2650-PWR, 2626-PWR, and 2600-8-PWR are IEEE 802.3af-compliant for Power over Ethernet and provide up to 15.4 W per port. A redundant external power supply is also available as an accessory.

Features and Benefits

Performance

- **13.6 Gbps (ProCurve 2650 and 2650-PWR)/9.6 Gbps (ProCurve 2626, 2626-PWR, ProCurve 2600-8-PWR) backplane:** wire-speed non-blocking architecture for low-latency throughput

Connectivity

- **Dual-personality functionality:** two 10/100/1000 ports or mini-GBIC slots for optional fiber connectivity such as Gigabit-SX, -LX, or -LH (Switch 2600-8-PWR has one dual-personality port)
- **Power over Ethernet (IEEE 802.3af) compliant (ProCurve 2650-PWR, ProCurve 2626-PWR, ProCurve 2600-8-PWR):** provides up to 15.4 W per port to power IP phones, wireless access points, Web cameras, and more (ProCurve 2650-PWR may require an external power supply to provide full 15.4 W for all 48 PoE-ready ports)

Resiliency and high availability

- **802.3ad Link Aggregation Control Protocol (LACP) and ProCurve trunking:** support up to 6 trunks, each with up to 4 links (ports) per trunk; trunking across modules is supported
- **Spanning Tree Protocol (IEEE 802.1D):** provides redundant links while preventing network loops

Overview

- **802.1w Rapid Convergence Spanning Tree Protocol:** increases network uptime through faster recovery from failed links
- **802.1s Multiple Spanning Tree:** provides high link availability in multiple VLAN environments by allowing multiple spanning trees
- **Optional external redundant power supply (ProCurve 2650-PWR, ProCurve 2626-PWR, ProCurve 2600-8-PWR):** provides uninterrupted power; sold as an accessory

Layer 3 routing

- **Basic IP routing:** enables automatic routing to the connected VLANs and up to 16 static routes—including one default route-in IP networks

Layer 2 switching

- **VLAN support and tagging:** support complete 802.1Q (4,096 VLAN IDs) and 253 VLANs simultaneously
- **Group VLAN Registration Protocol (GVRP):** allows automatic learning and dynamic assignment of VLANs

Security

- **Port security:** prevents unauthorized access using MAC address lockdown
- **MAC address lockout:** prevents configured particular MAC addresses from connecting to the network
- **IP lockdown:** only allows traffic from a specific IP address to be forwarded
- **Multiple user authentication methods:**
  - **IEEE 802.1X:** industry-standard way of user authentication using an 802.1X supplicant on the client in conjunction with a RADIUS server
  - **Web-based authentication:** similar to 802.1X, provides a browser-based environment to authenticate clients that do not support the 802.1X supplicant
  - **MAC-based authentication:** client is authenticated with the RADIUS server based on the MAC address of the client; useful for clients that have minimal or no user interface
- **Secure FTP:** allows secure file transfer to/from the switch (protects against unwanted file downloads or unauthorized copying of switch configuration file)
- **TACACS+:** eases switch management security administration by using a password authentication server
- **Source-port filtering:** allows only specified ports to communicate with each other
- **Secure Shell (SSHv2):** encrypts all transmitted data for secure CLI remote access over IP networks
- **Secure Sockets Layer (SSL):** encrypts all HTTP traffic, allowing secure access to the browser-based management GUI in the switch
- **Switch management logon security:** can require either RADIUS or TACACS+ authentication for secure switch CLI logon

Quality of service (QoS)

- **Traffic prioritization (802.1p):** allows real-time traffic classification into 8 priority levels mapped to 4 queues
- **Class of Service (CoS):** sets 802.1p priority tag based on IP address, IP Type of Service (ToS), L3 protocol, TCP/UDP port number, source port, and DiffServ
- **Layer 4 prioritization:** enables prioritization based on TCP/UDP port numbers

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/IEEE Auto-MDIX:** automatically adjusts for straight-through or crossover cables on all 10/100/1000 ports
- **Dual flash images:** provide independent primary and secondary OS files for backup while upgrading

Convergence

- **IP multicast snooping and data-driven IGMP:** automatically prevents flooding of IP multicast traffic

Overview

- **802.1ab LLDP discovery:** advertises and receives management information from adjacent devices on a 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, 3400cl series, 6108, 6400cl series, and 4100gl series
- **Find-Fix-and-Inform:** finds and fixes common network problems automatically, then informs administrator
- **Troubleshooting:** ingress/egress port monitoring enables network problem-solving (ProCurve Switch 2626 and 2626-PWR only)
- **Software updates:** free downloads from the Web

Industry-leading warranty

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

Accessories

ProCurve Gigabit-SX-LC Mini-GBIC (J4858B) (See the ProCurve Mini-GBICs QuickSpec for details.)	J4858B
ProCurve Gigabit-LX-LC Mini-GBIC (J4859B) (See the ProCurve Mini-GBICs QuickSpec for details.)	J4859B
ProCurve Gigabit-LH-LC Mini-GBIC (J4860B) (See the ProCurve Mini-GBICs QuickSpec for details.)	J4860B
ProCurve 600 Redundant External Power Supply (J8168A) (2650-PWR and 2626-PWR only) (See the ProCurve Redundant and External Power Supply QuickSpec for details.)	J8168A
ProCurve 610 External Power Supply (J8169A) (2650-PWR and 2626-PWR only) (See the ProCurve Redundant and External Power Supply QuickSpec for details.)	J8169A

Services

ProCurve Switch 2600-8-PWR with Gigabit Uplink	3-year, 4-hour onsite, 13x5 coverage for hardware	UD537E
	3-year, 4-hour onsite, 24x7 coverage for hardware	UD538E
	3-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone support	UD539E
ProCurve Switch 2650	3-year, 4-hour onsite, 13x5 coverage for hardware	H5481A/E
	3-year, 4-hour onsite, 24x7 coverage for hardware	U6303A/E
	3-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone support	U6302A/E
	Installation with minimum configuration, system-based pricing	U4826A/E
	Installation with HP-provided configuration, system-based pricing	U4830A/E
ProCurve Switch 2650-PWR	3-year, 4-hour onsite, 13x5 coverage for hardware	H4496A/E
	3-year, 4-hour onsite, 24x7 coverage for hardware	H2893A/E
	3-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone support	U6319A/E
	Installation with minimum configuration, system-based pricing	U4826A/E
	Installation with HP-provided configuration, system-based pricing	U4830A/E
ProCurve Switch 2626	3-year, 4-hour onsite, 13x5 coverage for hardware	U4683A/E
	3-year, 4-hour onsite, 24x7 coverage for hardware	U4835A/E
	3-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone support	U6321A/E
	Installation with minimum configuration, system-based pricing	U4826A/E
	Installation with HP-provided configuration, system-based pricing	U4830A/E

ProCurve Switch 2626-PWR	3-year, 4-hour onsite, 13x5 coverage for hardware	U2855A/E
	3-year, 4-hour onsite, 24x7 coverage for hardware	U2856A/E
	3-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone support	U6304A/E
	Installation with minimum configuration, system-based pricing	U4826A/E
	Installation with HP-provided configuration, system-based pricing	U4830A/E

Check 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 2600-8-PWR with Gigabit Uplink (J8762A)	**Ports**	8 10/100 ports (IEEE 802.3 Type 10Base-T, IEEE 802.3u Type 100Base-TX) 1 dual-personality port-port can be used as either an RJ-45 10/100/1000 port (IEEE 802.3 Type 10Base-T; 802.3u Type 100Base-TX; 802.3ab 1000Base-T Gigabit Ethernet) or an open mini-GBIC slot (for use with mini-GBIC transceivers) 1 RS-232C DB-9 console port	
	Physical characteristics	**Dimensions**	8.86 x 17.44 x 1.73 in. (22.5 x 44.3 x 4.39 cm) (1U height)
		Weight (fully loaded)	7.5 lb. (3.4 kg)
	Memory and processor	**Flash capacity**	8 MB
		Processor type and speed	Motorola PowerPC MPC8245 @ 266 MHz
		Flash capacity	8 MB
		SDRAM	32 MB
	Mounting	Mounts in an EIA-standard 19 in. telco rack or equipment cabinet (hardware included); horizontal surface mounting only	
	Performance	**Latency**	<12 µs (LIFO)
		Throughput	Up to 6.6 million pps
		Routing/Switching capacity	9.6 Gbps
		Routing table size	8,000 entries
	Environment	**Operating temperature**	32°F to 122°F (0°C to 50°C)
		Operating relative humidity	15% to 95% @ 104°F (40°C), non-condensing
		Non-operating/ Storage temperature	–40°F to 158°F (–40°C to 70°C)
		Non-operating/ Storage relative humidity	15% to 95% @ 149°F (65°C), non-condensing
		Alitude	Up to 15,091 ft. (4.6 km)
		Acoustic	DIN 45635 T.19 per ISO 7779 57 dB
	Electrical characteristics	**Maximum BTUs**	649 BTU/hr, including the switch and attached PoE devices; switch only: 228 BTU/hr
		Voltage	100–120 VAC/200–240 VAC
		Current	3.3 A/1.7 A
		Power consumption	190 W
		Frequency	50/60 Hz
	Safety	CSA 22.2 No. 950; cUL (CSA 950); EN 60950/IEC 60950; NOM-019-SCFI-1994; UL 1950 3rd edition; UL 60950	
	Emissions	FCC Class A; EN55022/CISPR-22 Class A; VCCI Class A	
	Immunity	**Generic**	EN55024/CISPR 24
		EN	EN55024/CISPR 24
		ESD	IEC 61000-4-2, 4 kV CD, 8 kV AD
		Radiated	IEC 61000-4-3, 3V/m

		EFT/Burst	IEC 61000-4-4, 1.0 kV (power line), 0.5 kV (signal line)
		Surge	IEC 61000-4-5, 1 kV/2 kV AC
		Conducted	IEC 61000-4-6, 3V
		Power frequency magnetic field	IEC 61000-4-8, 1A/m, 50 or 60 Hz
		Voltage dips and interruptions	IEC 61000-4-11, >95% reduction, 0.5 period; 30% reduction, 25 periods
		Harmonics	EN 61000-3-2/IEC 61000-3-2
		Flicker	EN 61000-3-3/IEC 61000-3-3
	Management		ProCurve Manager (included); ProCurve Manager Plus; command-line interface; Web browser; configuration menu; out-of-band management (serial RS-232C)
	Standards and protocols		RFC 783 TFTP; RFC 951 BootP; RFC 1542 BootP; RFC 854 Telnet; RFC 768 UDP; RFC 792 ICMP; RFC 793 TCP; RFC 826 ARP; RFC 2030 SNTP; IEEE 802.3X Flow Control; RFC 2236 IGMPv1/v2/v3; IEEE 802.1D Spanning Tree; IEEE 802.1w Rapid Convergence Spanning Tree; IEEE 802.3ad Link Aggregation Control Protocol; IEEE 802.3af Power over Ethernet; IEEE 802.1Q GVRP; RFC 1492 TACACST; SSHv1/v2 Secure Shell; Secure Sockets Layer (SSL); IEEE 802.1X Network Login; IEEE 802.1p Priority; SNMPv1/v2c/v3; HTML and telnet management; RFC 1493 Bridge MIB; RFC 1213 MIB II; RFC 2096 IP Forwarding Table MIB; RFC 2737 Entity MIB; RFC 2863 Evolution of Interface; RFC 2665 Ethernet MIB; RFC 2819 Four groups of RMON: 1 (statistics), 2 (history), 3 (alarm), and 9 (events); RFC 2021 RMON probe configuration (RMON v2); RFC 2668 802.3 MAU MIB; RFC 2613 SMON; RFC 2674 802.1p and IEEE 802.1Q Bridge MIB; RFC 2618 RADIUS Client MIB

ProCurve Switch 2650 (J4899B)	**Ports**		48 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; 802.3u Type 100Base-TX; 802.3ab 1000Base-T Gigabit Ethernet) or an open mini-GBIC slot (for use with mini-GBIC transceivers) 1 RS-232C DB-9 console port
	Physical characteristics	**Dimensions**	12.8 x 17.32 x 1.75 in. (32.51 x 43.99 x 4.45 cm) (1U height)
		Weight (fully loaded)	9.78 lb. (4.4 kg)
	Memory and processor	**Flash capacity**	8 MB
		Processor type and speed	Motorola PowerPC MPC8245 @ 266 MHz
		Flash capacity	8 MB
		SDRAM	32 MB
	Mounting		Mounts in an EIA-standard 19 in. telco rack or equipment cabinet (hardware included); horizontal surface mounting only

Technical Specifications

Performance	**Latency**	<13.3 µs (LIFO)
	Throughput	Up to 10.1 million pps
	Routing/Switching capacity	13.6 Gbps
	Routing table size	8,000 entries
Environment	**Operating temperature**	32° to 131°F (0° to 55°C)
	Operating relative humidity	15% to 95% @ 104°F (40°C), non-condensing
	Non-operating/ Storage temperature	–40° to 158°F (–40° to 70°C)
	Non-operating/ Storage relative humidity	15% to 95% @ 149°F (65°C), non-condensing
	Alitude	Up to 15,091 ft. (4.6 km)
Electrical characteristics	**Maximum BTUs**	341 BTU/hr
	Voltage	100–120 VAC/200–240 VAC
	Current	1.5A
	Power consumption	100W
	Frequency	50/60 Hz
Safety	CSA 22.2 No. 950; cUL (CSA 950); EN 60950/IEC 60950; NOM-019-SCFI-1994; UL 1950 3rd edition; UL 60950	
Emissions	FCC Class A; EN55022/CISPR-22 Class A; VCCI Class A	
Immunity	**Generic**	EN55024/CISPR 24
	EN	EN55024/CISPR 24
	ESD	IEC 61000-4-2, 4 kV CD, 8 kV AD
	Radiated	IEC 61000-4-3, 3V/m
	EFT/Burst	IEC 61000-4-4, 1.0 kV (power line), 0.5 kV (signal line)
	Surge	IEC 61000-4-5, 1 kV/2 kV AC
	Conducted	IEC 61000-4-6, 3V
	Power frequency magnetic field	IEC 61000-4-8, 1A/m, 50 or 60 Hz
	Voltage dips and interruptions	IEC 61000-4-11, >95% reduction, 0.5 period; 30% reduction, 25 periods
	Harmonics	EN 61000-3-2/IEC 61000-3-2
	Flicker	EN 61000-3-3/IEC 61000-3-3
Management	ProCurve Manager (included); ProCurve Manager Plus; command-line interface; Web browser; configuration menu; out-of-band management (serial RS-232C)	
Standards and protocols	RFC 783 TFTP; RFC 951 BootP; RFC 1542 BootP; RFC 854 Telnet; RFC 768 UDP; RFC 792 ICMP; RFC 793 TCP; RFC 826 ARP; RFC 2030 SNTP; IEEE 802.3X Flow Control; RFC 2236 IGMPv1/v2/v3; IEEE 802.1D Spanning Tree; IEEE 802.1w Rapid Convergence Spanning Tree; IEEE 802.3ad Link Aggregation Control Protocol; IEEE 802.3af Power over Ethernet; IEEE 802.1Q GVRP; RFC 1492 TACACST; SSHv1/v2 Secure Shell; Secure Sockets Layer (SSL); IEEE 802.1X Network Login; IEEE 802.1p Priority; SNMPv1/v2c/v3; HTML and telnet	

			management; RFC 1493 Bridge MIB; RFC 1213 MIB II; RFC 2096 IP Forwarding Table MIB; RFC 2737 Entity MIB; RFC 2863 Evolution of Interface; RFC 2665 Ethernet MIB; RFC 2819 Four groups of RMON: 1 (statistics), 2 (history), 3 (alarm), and 9 (events); RFC 2021 RMON probe configuration (RMON v2); RFC 2668 802.3 MAU MIB; RFC 2613 SMON; RFC 2674 802.1p and IEEE 802.1Q Bridge MIB; RFC 2618 RADIUS Client MIB
ProCurve Switch 2650-PWR (J8165A)	**Ports**		48 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; 802.3u Type 100Base-TX; 802.3ab 1000Base-T Gigabit Ethernet) or an open mini-GBIC slot (for use with mini-GBIC transceivers) 1 RS-232C DB-9 console port
	Physical characteristics	**Dimensions**	18.03 x 17.42 x 1.75 in. (45.8 x 44.25 x 4.45 cm) (1U height)
		Weight (fully loaded)	16.31 lb. (7.34 kg)
	Memory and processor	**Processor type and speed**	Motorola PowerPC MPC8245 @ 266 MHz
		Flash capacity	8 MB
		SDRAM	32 MB
	Mounting		Mounts in an EIA-standard 19 in. telco rack or equipment cabinet (hardware included); horizontal surface mounting only
	Performance	**Latency**	<12 µs (LIFO)
		Throughput	10.1 million pps
		Rounting/Switching capacity	13.6 Gbps
		Routing table size	8,000 entries
	Environment	**Operating temperature**	32° to 122°F (0° to 50°C)
		Operating relative humidity	15% to 95% @ 104°F (40°C), non-condensing
		Non-operating/ Storage temperature	–40° to 158°F (–40° to 70°C)
		Non-operating/ Storage relative humidity	15% to 95% @ 149°F (65°C), non-condensing
		Alitude	Up to 15,091 ft. (4.6 km)
	Electrical characteristics	**Maximum BTUs**	2,288 BTU/hr
		Voltage	100–120 VAC/200–240 VAC
		Current	6.4 A
		Power consumption	631 W
		Frequency	50/60 Hz
	Safety		CSA 22.2 No. 950; cUL (CSA 950); EN 60950/IEC 60950; NOM-019-SCFI-1994; UL 1950 3rd edition; UL 60950
	Emissions		FCC Class A; EN55022/CISPR-22 Class A; VCCI Class A
	Immunity	**Generic**	EN55024/CISPR 24

		EN	EN55024/CISPR 24
		ESD	IEC 61000-4-2, 4 kV CD, 8 kV AD
		Radiated	IEC 61000-4-3, 3V/m
		EFT/Burst	IEC 61000-4-4, 1.0 kV (power line), 0.5 kV (signal line)
		Surge	IEC 61000-4-5, 1 kV/2 kV AC
		Conducted	IEC 61000-4-6, 3V
		Power frequency magnetic field	IEC 61000-4-8, 1A/m, 50 or 60 Hz
		Voltage dips and interruptions	IEC 61000-4-11, >95% reduction, 0.5 period; 30% reduction, 25 periods
		Harmonics	EN 61000-3-2/IEC 61000-3-2
		Flicker	EN 61000-3-3/IEC 61000-3-3
	Management		ProCurve Manager (included); ProCurve Manager Plus; command-line interface; Web browser; configuration menu; out-of-band management (serial RS-232C)
	Standards and protocols		RFC 783 TFTP; RFC 951 BootP; RFC 1542 BootP; RFC 854 Telnet; RFC 768 UDP; RFC 792 ICMP; RFC 793 TCP; RFC 826 ARP; RFC 2030SNTP; IEEE 802.3X Flow Control; RFC 2236 IGMPv1/v2/v3; IEEE 802.1D Spanning Tree; IEEE 802.1w Rapid Convergence Spanning Tree; IEEE 802.3ad Link Aggregation Control Protocol; RFC 1492 TACACS+; SSHv1/SSHv2 Secure Shell; Secure Sockets Layer (SSL); IEEE 802.1X Network Login; 802.3af Power over Ethernet; IEEE 802.1Q GVRP; IEEE 802.1p Priority; SNMPv1/v2c/v3; HTML and telnet management; RFC 1493 Bridge MIB; RFC 1213 MIB II; RFC 2096 IP Forwarding Table MIB; RFC 2737 Entity MIB; RFC 2863 Evolution of Interface; RFC 2665 Ethernet MIB; RFC 2819 Four groups of RMON: 1 (statistics), 2 (history), 3 (alarm), and 9 (events); RFC 2021 RMON probe configuration (RMON v2); RFC 2668 802.3 MAU MIB; RFC 2613 SMON; RFC 2674 802.1p and IEEE 802.1Q Bridge MIB; RFC 2618 RADIUS Client MIB

ProCurve Switch 2626 (J4900B)	**Ports**		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; 802.3u Type 100Base-TX; 802.3ab 1000Base-T Gigabit Ethernet) or an open mini-GBIC slot (for use with mini-GBIC transceivers) 1 RS-232C DB-9 console port
	Physical characteristics	**Dimensions**	12.8 x 17.32 x 1.73 in. (32.51 x 43.99 x 4.39 cm) (1U height)
		Weight (fully loaded)	9.15 lb. (4.12 kg)
	Memory and processor	**Processor type and speed**	Motorola PowerPC MPC8245 @ 266 MHz
		Flash capacity	8 MB
		SDRAM	32 MB
	Mounting		Mounts in an EIA-standard 19 in. telco rack or equipment cabinet (hardware included); horizontal surface mounting only

Performance	**Latency**	<13.3 µs (LIFO)
	Throughput	Up to 6.6 million pps
	Rounting/Switching capacity	9.6 Gbps
	Routing table size	8,000 entries
Environment	**Operating temperature**	32°F to 122°F (0°C to 50°C)
	Operating relative humidity	15% to 95% @ 104°F (40°C), non-condensing
	Non-operating/ Storage temperature	–40° to 158°F (–40° to 70°C)
	Non-operating/ Storage relative humidity	15% to 95% @ 149°F (65°C), non-condensing
	Alitude	Up to 15,091 ft. (4.6 km)
Electrical characteristics	**Maximum BTUs**	341 BTU/hr
	Voltage	100–120 VAC/200–240 VAC
	Current	1.5 A
	Power consumption	100 W
	Frequency	50/60 Hz
Safety	CSA 22.2 No. 950; cUL (CSA 950); EN 60950/IEC 60950; NOM-019-SCFI-1994; UL 1950 3rd edition; UL 60950	
Emissions	FCC Class A; EN55022/CISPR-22 Class A; VCCI Class A	
Immunity	**Generic**	EN55024/CISPR 24
	EN	EN55024/CISPR 24
	ESD	IEC 61000-4-2, 4 kV CD, 8 kV AD
	Radiated	IEC 61000-4-3, 3V/m
	EFT/Burst	IEC 61000-4-4, 1.0 kV (power line), 0.5 kV (signal line)
	Surge	IEC 61000-4-5, 1 kV/2 kV AC
	Conducted	IEC 61000-4-6, 3V
	Power frequency magnetic field	IEC 61000-4-8, 1A/m, 50 or 60 Hz
	Voltage dips and interruptions	IEC 61000-4-11, >95% reduction, 0.5 period; 30% reduction, 25 periods
	Harmonics	EN 61000-3-2/IEC 61000-3-2
	Flicker	EN 61000-3-3/IEC 61000-3-3
Management	ProCurve Manager (included); ProCurve Manager Plus; command-line interface; Web browser; configuration menu; out-of-band management (serial RS-232C)	
Standards and protocols	RFC 783 TFTP; RFC 951 BootP; RFC 1542 BootP; RFC 854 Telnet; RFC 768 UDP; RFC 792 ICMP; RFC 793 TCP; RFC 826 ARP; RFC 2030SNTP; IEEE 802.3X Flow Control; RFC 2236 IGMPv1/v2/v3; IEEE 802.1D Spanning Tree; IEEE 802.1w Rapid Convergence Spanning Tree; IEEE 802.3ad Link Aggregation Control Protocol; RFC 1492 TACACS+; SSHv1/SSHv2 Secure Shell; Secure Sockets Layer (SSL); IEEE 802.1X Network Login; 802.3af Power over Ethernet; IEEE 802.1Q GVRP; IEEE 802.1p Priority; SNMPv1/v2c/v3; HTML and telnet	

			management; RFC 1493 Bridge MIB; RFC 1213 MIB II; RFC 2096 IP Forwarding Table MIB; RFC 2737 Entity MIB; RFC 2863 Evolution of Interface; RFC 2665 Ethernet MIB; RFC 2819 Four groups of RMON: 1 (statistics), 2 (history), 3 (alarm), and 9 (events); RFC 2021 RMON probe configuration (RMON v2); RFC 2668 802.3 MAU MIB; RFC 2613 SMON; RFC 2674 802.1p and IEEE 802.1Q Bridge MIB; RFC 2618 RADIUS Client MIB
ProCurve Switch 2626-PWR (J8164A)	**Ports**		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; 802.3u Type 100Base-TX; 802.3ab 1000Base-T Gigabit Ethernet) or an open mini-GBIC slot (for use with mini-GBIC transceivers) 1 RS-232C DB-9 console port
	Physical characteristics	**Dimensions**	18.03 x 17.42 x 1.75 in. (45.8 x 44.25 x 4.45 cm) (1U height)
		Weight (fully loaded)	11.5 lb. (5.18 kg)
	Memory and processor	**Processor type and speed**	Motorola PowerPC MPC8245 @ 266 MHz
		Flash capacity	8 MB
		SDRAM	32 MB
	Mounting		Mounts in an EIA-standard 19 in. telco rack or equipment cabinet (hardware included); horizontal surface mounting only
	Performance	**Latency**	<12 µs (LIFO)
		Throughput	Up to 6.6 million pps
		Routing/Switching capacity	9.6 Gbps
		Routing table size	8,000 entries
	Environment	**Operating temperature**	32°F to 122°F (0°C to 50°C)
		Operating relative humidity	15% to 95% @ 104°F (40°C), non-condensing
		Non-operating/ Storage temperature	–40° to 158°F (–40° to 70°C)
		Non-operating/ Storage relative humidity	15% to 95% @ 149°F (65°C), non-condensing
		Alitude	Up to 15,091 ft. (4.6 km)
	Electrical characteristics	**Maximum BTUs**	2,288 BTU/hr
		Voltage	100–120 VAC/200–240 VAC
		Current	6.4 A
		Power consumption	631 W
		Frequency	50/60 Hz
	Safety		CSA 22.2 No. 950; cUL (CSA 950); EN 60950/IEC 60950; NOM-019-SCFI-1994; UL 1950 3rd edition; UL 60950
	Emissions		FCC Class A; EN55022/CISPR-22 Class A; VCCI Class A
	Immunity	**Generic**	EN55024/CISPR 24

	EN	EN55024/CISPR 24
	ESD	IEC 61000-4-2, 4 kV CD, 8 kV AD
	Radiated	IEC 61000-4-3, 3V/m
	EFT/Burst	IEC 61000-4-4, 1.0 kV (power line), 0.5 kV (signal line)
	Surge	IEC 61000-4-5, 1 kV/2 kV AC
	Conducted	IEC 61000-4-6, 3V
	Power frequency magnetic field	IEC 61000-4-8, 1A/m, 50 or 60 Hz
	Voltage dips and interruptions	IEC 61000-4-11, >95% reduction, 0.5 period; 30% reduction, 25 periods
	Harmonics	EN 61000-3-2/IEC 61000-3-2
	Flicker	EN 61000-3-3/IEC 61000-3-3
Management	ProCurve Manager (included); ProCurve Manager Plus; command-line interface; Web browser; configuration menu; out-of-band management (serial RS-232C)	
Standards and protocols	RFC 783 TFTP; RFC 951 BootP; RFC 1542 BootP; RFC 854 Telnet; RFC 768 UDP; RFC 792 ICMP; RFC 793 TCP; RFC 826 ARP; RFC 2030SNTP; IEEE 802.3X Flow Control; RFC 2236 IGMPv1/v2/v3; IEEE 802.1D Spanning Tree; IEEE 802.1w Rapid Convergence Spanning Tree; IEEE 802.3ad Link Aggregation Control Protocol; RFC 1492 TACACS+; SSHv1/SSHv2 Secure Shell; Secure Sockets Layer (SSL); IEEE 802.1X Network Login; 802.3af Power over Ethernet; IEEE 802.1Q GVRP; IEEE 802.1p Priority; SNMPv1/v2c/v3; HTML and telnet management; RFC 1493 Bridge MIB; RFC 1213 MIB II; RFC 2096 IP Forwarding Table MIB; RFC 2737 Entity MIB; RFC 2863 Evolution of Interface; RFC 2665 Ethernet MIB; RFC 2819 Four groups of RMON: 1 (statistics), 2 (history), 3 (alarm), and 9 (events); RFC 2021 RMON probe configuration (RMON v2); RFC 2668 802.3 MAU MIB; RFC 2613 SMON; RFC 2674 802.1p and IEEE 802.1Q Bridge MIB; RFC 2618 RADIUS Client MIB	

5982-4071EN, 01/2006