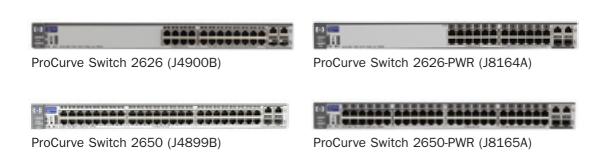


The ProCurve Switch 2600 series is a collection of low-cost, stackable, multi-layer, managed switches with 48, 24, or 8 auto-sensing 10/100 ports and dual-personality ports for 10/100/1000 or mini-GBIC connectivity. The ProCurve Switch 2650-PWR, 2626-PWR, and 2600-8-PWR are IEEE 802.3af—compliant for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





ProCurve Switch 2600-8-PWR with Gigabit Uplink (J8762A)

Features and benefits

Performance

 13.6 Gbps (ProCurve 2650 and 2650-PWR)/9.6 Gbps (ProCurve 2626, 2626-PWR, 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
- 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

- IEEE 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
- IEEE 802.1w Rapid Convergence Spanning Tree Protocol: increases network uptime through faster recovery from failed links
- IEEE 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 IEEE 802.1Q (4,096 VLAN IDs) and 253 VLANs simultaneously
- GARP VLAN Registration Protocol: allows automatic learning and dynamic assignment of VLANs

Security

- Port security: allows access only to specified MAC addresses, which can be learned or specified by the administrator
- 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 IEEE 802.1X supplicant on the client in conjunction with a RADIUS server
- Web-based authentication: similar to IEEE 802.1X, provides a browser-based environment to authenticate clients that do not support the IEEE 802.1X supplicant
- MAC-based authentication: client is authenticated with the RADIUS server based on the MAC address of the client
- **Secure FTP**: allows secure file transfer to/from the switch; protects against unwanted file downloads or unauthorized copying of switch configuration file

Features and benefits (continued)

- 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, remote command-line interface (CLI) access over IP networks
- Secure Sockets Layer (SSL): encrypts all HTTP traffic, allowing secure access to the browserbased 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 (IEEE 802.1p): allows real-time ProCurve Switch 2600 series traffic classification into 8 priority levels mapped to 4 queues
- Class of Service (CoS): sets IEEE 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
- Stacking capability: single IP address management for a virtual stack of up to 16 switches, including the ProCurve 2500 series, 2510 series, 2600 series, 2800 series, 2810 series, 2900 series, 3400cl series, 3500yl series, 6108, 6200yl, 6400cl series, 4200vl 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

Convergence

- IEEE 802.1ab LLDP discovery: advertises and receives management information from adjacent devices on a network
- LLDP-MED (Media Endpoint Discovery): a standard extension of LLDP that stores values for parameters such as QoS and VLAN to automatically configure network devices such as IP phones

Industry-leading warranty

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

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 2626

- 3-year, 4-hour onsite, 13x5 coverage for hardware (U4683E)
- 3-year, 4-hour onsite, 24x7 coverage for hardware (U4835E)
- 3-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone support (U6321E)
- Installation with minimum configuration, system-based pricing (U4826E)
- Installation with HP-provided configuration, system-based pricing (U4830E)

ProCurve Switch 2626-PWR

- 3-year, 4-hour onsite, 13x5 coverage for hardware (U2855E)
- 3-year, 4-hour onsite, 24x7 coverage for hardware (U2856E)
- 3-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone support (U6304E)
- Installation with minimum configuration, system-based pricing (U4826E)
- Installation with HP-provided configuration, system-based pricing (U4830E)

ProCurve Switch 2650

- 3-year, 4-hour onsite, 13x5 coverage for hardware (H5481E)
- 3-year, 4-hour onsite, 24x7 coverage for hardware (U6303E)
- 3-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone support (U6302E)
- Installation with minimum configuration, system-based pricing (U4826E)
- Installation with HP-provided configuration, system-based pricing (U4830E)

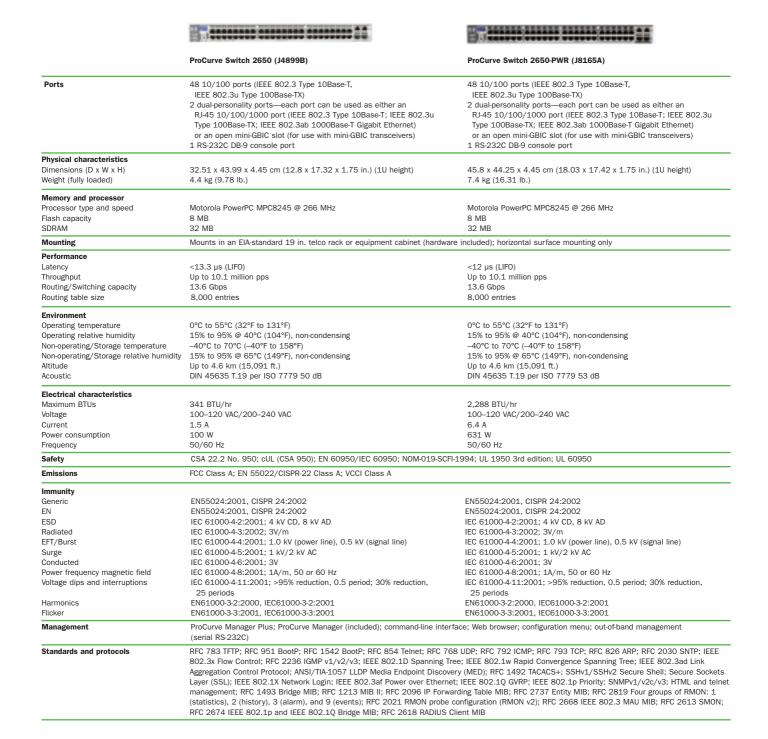
ProCurve Switch 2650-PWR

- 3-year, 4-hour onsite, 13x5 coverage for hardware (H4496E)
- 3-year, 4-hour onsite, 24x7 coverage for hardware (H2893E)
- 3-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone support (U6319E)
- Installation with minimum configuration, system-based pricing (U4826E)
- Installation with HP-provided configuration, system-based pricing (U4830E)

Check **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.

Specifications

	ProCurve Switch 2600-8-PWR with Gigabit Uplink (J8762A)	ProCurve Switch 2626 (J4900B)	ProCurve Switch 2626-PWR (J8164A)
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; IEEE 802.3u Type 100Base-TX; IEEE 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	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; IEEE 802.3u Type 100Base-TX; IEEE 802.3ub 1000Base-T Gigabit Ethernet) or an open mini-GBIC slot (for use with mini-GBIC transceivers) 1 RS-232C DB-9 console port	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 100Base-T; IEEE 802.3u Type 100Base-TX; IEEE 802.3ab 1000Base-Gigabit Ethernet) or an open mini-GBIC slot (for use with mini-GBIC transceivers) 1 RS-232C DB-9 console port
Physical characteristics Dimensions (D x W x H)	22.5 x 44.3 x 4.39 cm (8.86 x 17.44 x 1.73 in.) (1U height)	32.51 x 43.99 x 4.39 cm (12.8 x 17.32 x 1.73 in.) (1U height)	45.8 x 44.25 x 4.45 cm (18.03 x 17.42 x 1.75 in.) (1U height)
Weight (fully loaded)	3.4 kg (7.5 lb.)	4.15 kg (9.15 lb.)	6.81 kg (15.01 lb.)
Memory and processor Processor type and speed Flash capacity SDRAM	Motorola PowerPC MPC8245 @ 266 MHz 8 MB 32 MB	Motorola PowerPC MPC8245 @ 266 MHz 8 MB 32 MB	Motorola PowerPC MPC8245 @ 266 MHz 8 MB 32 MB
Mounting	Mounts in an EIA-standard 19 in. telco rack or equ	ipment cabinet (hardware included); horizontal surface	e mounting only
Performance Latency Throughput Routing/Switching capacity Routing table size	<12 µs (LIFO) Up to 6.6 million pps 9.6 Gbps 8,000 entries	<13.3 µs (LIFO) Up to 6.6 million pps 9.6 Gbps 8,000 entries	<12 µs (LIFO) Up to 6.6 million pps 9.6 Gbps 8,000 entries
Environment Operating temperature Operating relative humidity Non-operating/Storage temperature Non-operating/Storage relative humidity Altitude Acoustic	0°C to 50°C (32°F to 122°F) 15% to 95% @ 40°C (104°F), non-condensing -40°C to 70°C (-40°F to 158°F) 15% to 95% @ 65°C (149°F), non-condensing Up to 4.6 km (15,091 ft.) DIN 45635 T.19 per ISO 7779 57 dB	0°C to 50°C (32°F to 122°F) 15% to 95% @ 40°C (104°F), non-condensing -40°C to 70°C (-40°F to 158°F) 15% to 95% @ 65°C (149°F), non-condensing Up to 4.6 km (15,091 ft.) DIN 45635 T.19 per ISO 7779 50 dB	0°C to 50°C (32°F to 122°F) 15% to 95% @ 40°C (104°F), non-condensing -40°C to 70°C (-40°F to 158°F) 15% to 95% @ 65°C (149°F), non-condensing Up to 4.6 km (15,091 ft.) DIN 45635 T.19 per ISO 7779 50 dB
Electrical characteristics Maximum BTUs	649 BTU/hr, including the switch and attached	341 BTU/hr	2,288 BTU/hr
Voltage Current Power consumption Frequency	PoE devices; switch only: 228 BTU/hr 100–120 VAC/200–240 VAC 3.3 A/1.7 A 190 W 50/60 Hz	100–120 VAC/200–240 VAC 1.5 A 100 W 50/60 Hz	100-120 VAC/200-240 VAC 6.4 A 631 W 50/60 Hz
Safety	CSA 22 2 No. 950; clil. (CSA 950); FN 60950/JFC	C 60950; NOM-019-SCFI-1994; UL 1950 3rd edition; U	II 60950
Emissions	FCC Class A; EN55022/CISPR-22 Class A; VCCI Class A		
Immunity Generic EN ESD Radiated EFT/Burst Surge Conducted Power frequency magnetic field	EN55024:2001, CISPR 24:2002 EN55024:2001, CISPR 24:2002 IEC 61000-4:2001; 4 kV CD, 8 kV AD IEC 61000-4:2002; 3V/m IEC 61000-4-4:2001; 1.0 kV (power line), 0.5 kV (signal line) IEC 61000-4-5:2001; 1 kV/2 kV AC IEC 61000-4-6:2001; 3V	EN55024:2001, CISPR 24:2002 EN55024:2001, CISPR 24:2002 IEC 61000-4-2:2001; 4 kV CD, 8 kV AD IEC 61000-4-3:2002; 3V/m IEC 61000-4-3:2001; 1.0 kV (power line), 0.5 kV (signal line) IEC 61000-4-5:2001; 1 kV/2 kV AC IEC 61000-4-8:2001; 3V IEC 61000-4-8:2001; 1A/m, 50 or 60 Hz	EN55024:2001, CISPR 24:2002 EN55024:2001, CISPR 24:2002 IEC 61000-4-2:2001; 4 kV CD, 8 kV AD IEC 61000-4-3:2002; 3V/m IEC 61000-4-4:2001; 1.0 kV (power line), 0.5 kV (signal line) IEC 61000-4-5:2001; 1 kV/2 kV AC IEC 61000-4-8:2001; 3V IEC 61000-4-8:2001; 1A/m, 50 or 60 Hz
Voltage dips and interruptions Harmonics Flicker	IEC 61000-4-11:2001; >95% reduction, 0.5 period; 30% reduction, 25 periods EN61000-3-2:2000, IEC61000-3-2:2001 EN61000-3-3:2001, IEC61000-3-3:2001	IEC 61000-4-11:2001; -95% reduction, 0.5 period; 30% reduction, 25 periods EN61000-3-2:2000, IEC61000-3-2:2001 EN61000-3-3:2001, IEC61000-3-3:2001	IEC 61000-4-11:2001; >95% reduction, 0.5 period; 30% reduction, 25 periods EN61000-3-2:2000, IEC61000-3-2:2001 EN61000-3-3:2001, IEC61000-3-3:2001
Management	ProCurve Manager Plus; ProCurve Manager (included); command-line interface; Web browser; configuration menu; out-of-band management (serial RS-232C)		
Standards and protocols	(serial RS-232C) 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 IGMP v1/v2/v3; IEEE 802.1D Spanning Tree; IEEE 802.1w Rapid Convergence Spanning Tree; IEEE 802.3ad Link Aggregation Control Protocol; ANSI/TIA-1057 LLDP Media Endpoint Discovery (MED); RFC 1492 TACACS+; SSHv1/SSHv2 Secure Shell; Secure Sockets Layer (SSL); IEEE 802.1X Network Login; IEEE 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), 9 (events); RFC 2021 RMON probe configuration (RMON v2); RFC 2668 IEEE 802.3 MAU MIB; RFC 2613 SMON; RFC 2674 IEEE 802.1p and IEEE 802.1Q Bridge MIB; RFC 2618 RADIUS Client MIB		



ProCurve Switch 2600 Series Modules

Accessories

ProCurve Gigabit-SX-LC Mini-GBIC (J4858B)

ProCurve Gigabit-LX-LC Mini-GBIC (J4859B)

ProCurve Gigabit-LH-LC Mini-GBIC (J4860B)

ProCurve 600 Redundant External Power Supply (J8168A) (2650-PWR and 2626-PWR only)

ProCurve 610 External Power Supply (J8169A) (2650-PWR and 2626-PWR only)

ProCurve Manager 2.1

ProCurve Manager Plus 2.1 100 device limited version (J8778A)

ProCurve Manager Plus 2.1 upgrade to unlimited license (J8779A)

ProCurve Manager Plus 2.1 100 device Upgrade (J8991A)

ProCurve Manager Plus 2.1 unlimited license (J9009A)

ProCurve Identity Driven Manager 2.0 base product (500 user license) (J9012A)

ProCurve Identity Driven Manager 2.0 base product (upgrade from 1.0) (J9013A)

ProCurve Identity Driven Manager 2.0 Add 2000 users license (J9014A)