

HP ProCurve Switch 2600 Series



HP ProCurve Switch 2650 (J4899A)



HP ProCurve Switch 2650-PWR (J8165A)



HP ProCurve Switch 2626 (J4900A)



HP ProCurve Switch 2626-PWR (J8164A)



The HP ProCurve Switch 2600 Series is a collection of low-cost, stackable, multi-layer, managed 50- or 26-port switches with 48 or 24 auto-sensing 10/100 ports and 2 dual-personality ports for 10/100/1000 or mini-GBIC connectivity. The HP Switch 2650-PWR and 2626-PWR are IEEE 802.3af compliant for Power over Ethernet and provide up to 15.4W per port. A redundant and external power supply is also available as an accessory.

HP ProCurve Switch 2600 Series

Features and benefits

- **Power over Ethernet (IEEE 802.3af) compliant (Switch 2650-PWR/Switch 2626-PWR):** Provide up to 15.4W per port to power IP phones, wireless access points, Web cameras, and more
- **13.6 Gbps (2650 and 2650-PWR)/9.6 Gbps (2626 and 2626-PWR) backplane:** wire-speed non-blocking architecture for low latency throughput
- **Dual-personality functionality:** two 10/100/1000 ports or mini-GBIC slots for optional fiber connectivity such as Gigabit-SX, -LX, or -LH
- **Basic IP Routing:** enables automatic routing with up to 16 external routes—including one default route—in IP networks
- **Rapid Convergence Spanning Tree Protocol (802.1w):** increases network uptime through faster recovery from failed links
- **802.3ad Link Aggregation Control Protocol (LACP) and HP trunking:** support up to 6 trunks, each with up to 4 links (ports) per trunk; trunking across modules is supported
- **Cisco Fast EtherChannel® (FEC):** supports Cisco's proprietary FEC trunking protocol
- **802.1X and RADIUS network login:** control port-based access for authentication and accountability
- **Port security:** prevents unauthorized access using MAC address lockdown
- **TACACS+:** eases switch management security administration by using a password authentication server
- **Secure Shell (SSH):** encrypts all transmitted data for secure 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
- **VLAN:** supports up to 30 port-based VLANs, GVRP, and 802.1Q VLAN tagging
- **Traffic prioritization (802.1p):** allows real-time traffic classification into 8 priority levels mapped to 4 queues
- **RMON, extended RMON, and switch monitoring (SMON):** provide advanced monitoring and reporting capabilities for statistics, history, alarms, and events
- **Stacking capability:** single IP address management for a virtual stack of up to 16 switches, including the 2500 series, 2600 series, 2800 series, 4000m, 6108, 8000m, and 4100gl series
- **HP Auto-MDIX:** automatically adjusts for straight-through or crossover cables on all 10/100 ports
- **Group VLAN Registration Protocol (GVRP):** allows automatic learning and dynamic assignment of VLANs
- **Cisco Discovery Protocol (CDP):** enables real-time mapping of nodes to switch ports
- **Friendly port names:** allow assignment of descriptive names to ports
- **Find-Fix-and-Inform:** finds and fixes common network problems automatically, then informs administrator
- **Secure access to manage the switches:** all access methods—CLI, GUI, or MIB—are securely encrypted through SSHv2, SSL, and/or SNMPv3
- **Lifetime warranty:** for as long as you own the product, with next-business-day advance replacement (available in most countries)

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Accessories

- NEW** • HP ProCurve 600 Redundant and External Power Supply (J8168A) (2626-PWR and 2650-PWR only)
- HP ProCurve Gigabit-LH-LC Mini-GBIC (J4860A)
- HP ProCurve Gigabit-LX-LC Mini-GBIC (J4859A)
- HP ProCurve Gigabit-SX-LC Mini-GBIC (J4858A)

Services

HP ProCurve Switch 2650:

- 3-year, 4-hour onsite, 13 x 5 coverage, 13 x 5 phone support, for hardware (H5481A/E)
- Installation with minimum configuration, system-based pricing (U4826A/E)
- Installation with HP-provided configuration, system-based pricing (U4830A/E)

HP ProCurve Switch 2626:

- 3-year, 4-hour onsite, 13 x 5 coverage, 13 x 5 phone support, for hardware (H5484A/E)
- Installation with minimum configuration, system-based pricing (U4826A/E)
- Installation with HP-provided configuration, system-based pricing (U4830A/E)

HP ProCurve Switch 2626-PWR and 2650-PWR:

- Coming soon. Check Web site for availability.

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Specifications

Ports

2650/2650-PWR

48 RJ-45 10/100 ports
(IEEE 802.3 Type 10Base-T;
802.3u Type 100Base-TX)

2626/2626-PWR

24 RJ-45 10/100 ports
(IEEE 802.3 Type 10Base-T;
802.3u Type 100Base-TX)

2600 series

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)

Physical characteristics

2626

Dimensions:
17.32 × 12.8 × 1.73 in.
(44.0 × 32.5 × 4.4 cm)
Weight: 9.15 lb. (4.15 kg)

2626-PWR

Dimensions:
18.03 × 17.42 × 1.75 in.
(45.8 × 44.25 × 4.45 cm)
(1U height)

Weight: 11.5 lb. (5.18 kg)

2650

Dimensions:
17.32 × 12.8 × 1.73 in.
(44.25 × 32.5 × 4.4 cm)
Weight: 9.78 lb. (4.44 kg)

Physical characteristics (cont.)

2650-PWR

Dimensions:
18.03 × 17.42 × 1.75 in.
(45.8 × 44.25 × 4.45 cm)
(1U height)
Weight: 16.3 lb. (7.34 kg)

Memory and processor

Processor: Motorola MPC8245
PowerPC
Flash capacity: 16 MB

Mounting

Mounts in a standard 19 in. rack
(hardware included)

Performance

Latency: <12 μs (LIFO)
Throughput:
2650—10.1 mpps (64-byte
packets)
2626—6.6 mpps (64-byte
packets)
Switching capacity:
2650—13.6 Gbps
2626—9.6 Gbps
Address table size: 8,000

Environment

Operating
– Temperature: 32° F to 131° F
(0° C to 55° C)
– 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)
– Relative humidity: 15% to 95%
@ 149° F (65° C)
Altitude: up to 15,091 ft. (4.6 km)

Electrical characteristics

2626/2650

Heat dissipation: 341 max BTU/hr
Voltage: 100–120 VAC/
200–240 VAC

Current: 1.5A
Power: 100 W
Frequency: 50/60 Hz

2626-PWR/2650-PWR

Heat dissipation: 2155 max
BTU/hr
Voltage: 100–240 VAC
Current: 6.4A
Power: 631 W
Frequency: 50/60 Hz

Safety

EN 60950/IEC 950; UL 950
3rd edition; cUL (CSA 950);
NOM-019-SCFI-1994

Emissions

FCC Class A; EN 55022/
CISPR-22 Class A;
VCCI Class A

Immunity

EN 55024/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

HP ProCurve Manager (included);
HP 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 Simple Network Time
Protocol;
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 PoE;
Cisco Fast EtherChannel (FEC);
SSHv1/v2 Secure Shell;
Secure Sockets Layer (SSL);
IEEE 802.1X Network Login;
IEEE 802.1p Priority;
IEEE 802.1Q GVRP;
SNMPv1/v2c/v3;
Cisco Discovery Protocol (CDP);
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 802.1Q
Bridge MIB;
RFC 2618 RADIUS Client MIB;
RADIUS Accounting MIB

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To learn more, please visit www.hp.com/go/hpprocurve.

5981-9637EN, 08/2003

