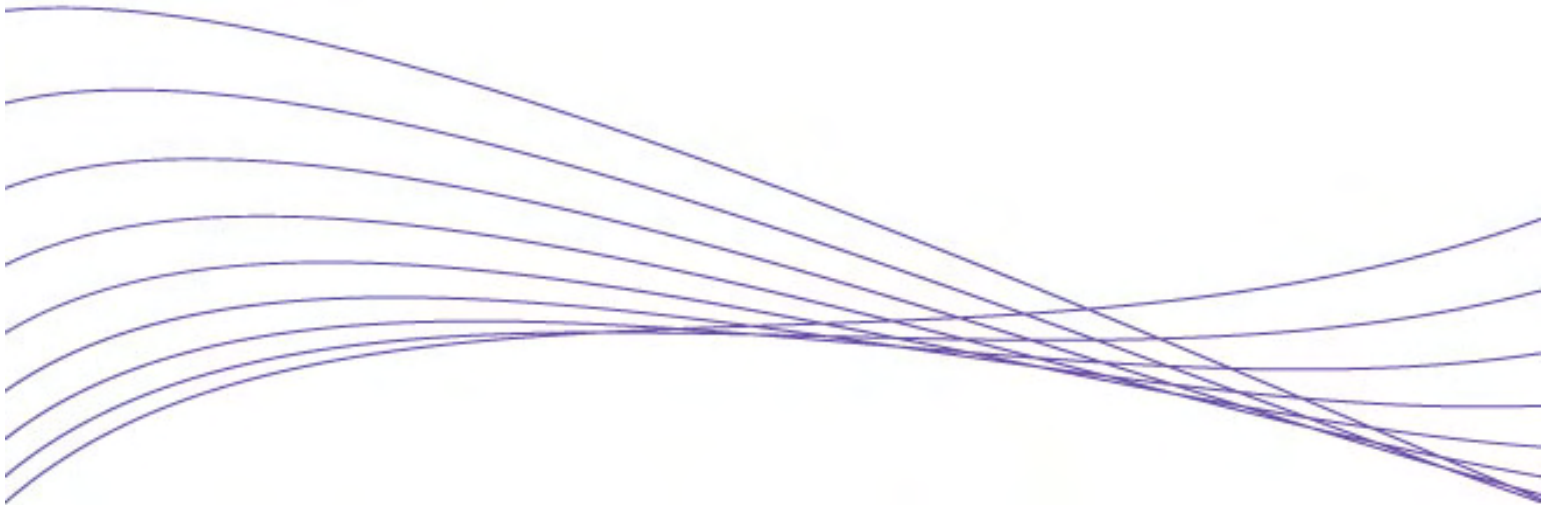


ProCurve Switch 6108

The ProCurve Switch 6108 is a low-cost, stackable, multi-layer 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. With Layer 3 basic IP routing, an industry-leading lifetime warranty, and free end-user telephone and e-mail support, the ProCurve 6108 is ideal for access-tier aggregation, with 2 optional Gigabit fiber uplinks to connect at distances up to 70 km.



ProCurve Switch 6108 (J4902A)



ProCurve Switch 6108

Features and benefits

- **16 Gbps backplane:** non-blocking architecture for wire-speed 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 to the connected VLANs and up to 16 static routes--including one default route--in IP networks
- **802.1w Rapid Convergence Spanning Tree Protocol :** increases network uptime through faster recovery from failed links
- **802.3ad Link Aggregation Control Protocol (LACP) and ProCurve trunking:** support up to 6 trunks, each with up to 4 links (ports) per trunk
- **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 (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 browser-based management GUI in the switch
- **VLAN support and tagging:** 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:** provides 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 ProCurve 2500 series, 2600 series, 2800 series, 3400cl series, 6108, 6400cl series, and 4100gl series
- **ProCurve/IEEE Auto-MDIX:** automatically adjusts for straight-through or crossover cables on all 10/100/1000 ports
- **Group VLAN Registration Protocol (GVRP):** allows automatic learning and dynamic assignment of VLANs
- **Friendly port names:** allow assignment of descriptive names to ports
- **Secure access to manage the ProCurve Switch 6108:** all access methods--CLI, GUI, or MIB--are securely encrypted through SSHv2, SSL, and/or SNMPv3

Industry-leading warranty

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

Services

- 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,

ProCurve Switch 6108

system-based pricing (U4830E)

ProCurve Switch 6108

Specifications

Ports

6 10/100/1000 ports (IEEE 802.3 Type 10Base-T, IEEE 802.3u Type 100Base-TX, IEEE 802.3ab 1000Base-T Gigabit Ethernet)
1 RS-232C DB-9 console port
2 dual-personality ports - each port can be used as either 2 additional RJ-45 10/100/1000 ports (IEEE 802.3 Type 10Base-T; 802.3u Type 100Base-TX; 802.3ab 1000Base-T Gigabit Ethernet), 2 open mini-GBIC slots (for use with mini-GBIC transceivers), or one of each

Physical characteristics

Dimensions
9.3(d) x 17.42(w) x 1.73(h) in. (23.62 x 44.25 x 4.39 cm) (1U height)
Weight
6.96 lb. (3.16 kg)

Memory and processor

Processor: Motorola PowerPC MPC8245 @ 266 MHz processor
Flash Capacity: 16 MB

Mounting

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

Performance

Latency:
- <12.5 μ s (LIFO 64-byte packets)
Throughput: 11.9 million pps (64-byte packets)
Switching capacity: 16 Gbps
Routing table size: 8,000 entries

Environment

Operating
- Temperature: 32°F to 131°F (0°C to 55°C)
- Relative humidity: 15% to 95% @ 104°F (40°C), non-condensing
- Altitude: up to 15,091 ft. (4.6 km)
Non-operating/Storage
- Temperature: -40°F to 158°F (-40°C to 70°C)
- Relative humidity: 90% to 90% @ 149°F (65°C), non-condensing

Electrical characteristics

Max heat dissipation: 341 BTU/hr
Voltage: 100-240 VAC
Current: 1.5 A
Power consumption: 100 W
Frequency: 50/60 Hz

Safety

cUL (CSA 950); EN 60950/IEC 60950; NOM-019-SCFI-1994; UL 1950 3rd edition

Emissions

FCC Class A;
EN55022/CISPR-22 Class A;
VCCI Class A

Immunity

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: EN61000-3-2, IEC61000-3-2
Flicker: EN61000-3-3, IEC61000-3-3

Management

ProCurve Manager (included); 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 IGMP v1/v2/v3; IEEE 802.1D Spanning Tree; IEEE 802.1w Rapid Convergence Spanning Tree; IEEE 802.3ad Link Aggregation Control Protocol; Cisco Fast EtherChannel® (FEC); RFC 1492 TACACS+; SSHv1/SSHv2 Secure Shell; Secure Sockets Layer (SSL); IEEE 802.1X Network Login; IEEE 802.1Q GVRP; IEEE 802.1p Priority; SNMPv1/v2c/v3; Cisco Discovery Protocol v1 (CDPv1); 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; RFC 2620 RADIUS Accounting MIB

ProCurve Switch 6108

Accessories



ProCurve Gigabit-SX-LC Mini-GBIC (J4858B)
with one 1000Base-SX port

Ports

1 1000Base-SX port (IEEE 802.3z Type

1000Base-SX)

Connector: LC

Duplex: full

Physical characteristics

Dimensions: 2.24 (d) x 0.54 (w) x 0.486 (h)

in. (5.69 x 1.37 x 1.23 cm)

Weight: 0.04 lb. (0.02 kg)

Cabling

62.5/125 μm or 50/125 μm (core/cladding) diameter, graded-index, low metal content, multimode fiber optic, complying with ITU-T G.651 and ISO/IEC 793-2 Type A1b or A1a, respectively

Maximum distance

220 m (62.5 μm core diameter, 160 MHz/km bandwidth)

275 m (62.5 μm core diameter, 200 MHz/km bandwidth)

500 m (50 μm core diameter, 400 MHz/km bandwidth)

550 m (50 μm core diameter, 500 MHz/km bandwidth)



ProCurve Gigabit-LX-LC Mini-GBIC (J4859B)
with one 1000Base-LX port

Ports

1 1000Base-LX port (IEEE 802.3z Type

1000Base-LX)

Connector: LC

Duplex: full

Physical characteristics

Dimensions: 2.24 (d) x 0.54 (w) x 0.486 (h)

in. (5.69 x 1.37 x 1.23 cm)

Weight: 0.04 lb. (0.02 kg)

Cabling

Either single mode or multimode

62.5/125 μm or 50/125 μm (core/cladding) diameter, graded-index, low metal content, multimode fiber optic, complying with ITU-T G.651 and ISO/IEC 793-2 Type A1b or A1a, respectively

Low metal content, single-mode fiber-optic, complying with ITU-T G.652 and ISO/IEC 793-2 Type B1

Maximum distance

10 km (single mode) or 550 m (multimode)

Notes

A mode conditioning patch cord may be needed in some multimode fiber installations.



ProCurve Gigabit-LH-LC Mini-GBIC (J4860B)
with one 1000Base-LH port

Ports

1 1000Base-LH port (no IEEE standard exists for 1550 nm optics)

Connector: LC

Duplex: full

Physical characteristics

Dimensions: 2.167 (d) x 0.604 (w) x 0.463 (h) in. (5.5 x 1.53 x 1.18 cm)

Weight: 0.04 lb. (0.02 kg)

Cabling

Low metal content, single-mode fiber-optic, complying with ITU-T G.652 and ISO/IEC 793-2 Type B1

Maximum distance

70 km

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