

ProCurve Switch 2800 Series

The ProCurve Switch 2800 series consists of two switches: the 24-port ProCurve Switch 2824 with 20 10/100/1000 ports, and the 48-port ProCurve Switch 2848 with 44 10/100/1000 ports. In addition, each switch has 4 dual-personality ports for RJ-45 10/100/1000 or mini-GBIC fiber 1000 connectivity. The 2800 series is ideal for secure 10/100 and Gigabit connectivity, and it offers access security and advanced prioritization and traffic-monitoring capabilities. With support for IP static routing, the 2800 series is well-suited for environments that need basic routing at the edge of the network.



ProCurve Switch 2824
(J4903A)



ProCurve Switch 2848
(J4904A)

ProCurve Switch 2800 Series

Features and benefits

Connectivity

- **Dual-personality functionality:** four 10/100/1000 ports or mini-GBIC slots for optional fiber connectivity such as Gigabit-SX, -LX, or -LH

Performance

- **48 Gbps backplane with up to 34.7 million pps (ProCurve 2824) and 96 Gbps backplane with up to 69.8 million pps (ProCurve 2848):** ten times the bandwidth for low-latency throughput

Resiliency and high availability

- **IEEE 802.3ad Link Aggregation Protocol (LACP) and ProCurve trunking:** support up to 24 trunks, each with up to 8 links (ports) per trunk
- **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:** provides uninterrupted power

Layer 2 switching

- **VLAN support and tagging:** supports the IEEE 802.1Q (4,096 VLAN IDs) and 256 VLANs simultaneously
- **GARP VLAN Registration Protocol:** allows automatic learning and dynamic assignment of VLANs
- **Jumbo packet support:** supports up to 9,216

byte frame size to improve performance of large data transfers

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

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:** restrict incoming traffic on a port to a specific IP address/subnet, and deny all other traffic on that port
- **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
- **TACACS+:** eases switch management security administration by using a password authentication server
- **Source-port filtering:** allows only specified ports to communicate with each other

ProCurve Switch 2800 Series

- **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
- **Switch management logon security:** can require either RADIUS or TACACS+ authentication for secure switch CLI logon

Convergence

- **IP multicast snooping and data-driven IGMP:** automatically prevents flooding of IP multicast traffic
- **IEEE 802.1AB Link Layer Discovery Protocol (LLDP):** automated device discovery protocol for easy mapping by network management applications
- **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
- **Per-port broadcast throttling:** selectively configure broadcast control on heavy traffic port uplinks

Quality of Service (QoS)

- **Traffic prioritization (IEEE 802.1p):** allows real-time traffic classification into 8 priority levels mapped to 4 queues
- **Class of Service (CoS):** sets the 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, XRMON, sFlow, and SMON:** provide 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:** provides independent primary and secondary OS files for backup while upgrading
- **Software updates:** free downloads from the Web
- **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, 4100gl series, 4200vl series, 6108, 6200yl-24G-mGBIC, and 6400cl series
- **Find-Fix-and-Inform:** finds and fixes common network problems automatically, then informs administrator
- **Troubleshooting:** ingress/egress port monitoring enables network problem-solving
- **Multiple configuration files:** multiple config files can be stored to flash image

Industry-leading warranty

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

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Services

ProCurve Switch 2800 Series

ProCurve Switch 2824

- 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)
- 3-year, 24x7 SW phone support, software updates (UE262E)
- Installation with minimum configuration, system-based pricing (U4826E)
- Installation with HP-provided configuration, system-based pricing (U4830E)

ProCurve Switch 2848

- 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)
- 3-year, 24x7 SW phone support, software updates (UE264E)
- Installation with minimum configuration, system-based pricing (U4826E)
- Installation with HP-provided configuration, system-based pricing (U4830E)

ProCurve Switch 2800 Series



ProCurve Switch 2824 (J4903A)

ProCurve Switch 2848 (J4904A)

Specifications

Ports

20 auto-sensing 10/100/1000 ports(IEEE 802.3 Type 10Base-T, IEEE 802.3u Type 100Base-TX, IEEE 802.3ab Type 1000Base-T); Media Type: IEEE Auto-MDIX; Duplex: 10Base-T/100Base-TX: half or full; 1000Base-TX: full only

1 RS-232C DB-9 console port

4 dual-personality ports; each port can be used as either an RJ-45 10/100/1000 port or an open mini-GBIC slot (for use with mini-GBIC 1000 bps transceivers)

44 auto-sensing 10/100/1000 ports(IEEE 802.3 Type 10Base-T, IEEE 802.3u Type 100Base-TX, IEEE 802.3ab Type 1000Base-T); Media Type: IEEE Auto-MDIX; Duplex: 10Base-T/100Base-TX: half or full; 1000Base-TX: full only

1 RS-232C DB-9 console port

4 dual-personality ports; each port can be used as either an RJ-45 10/100/1000 port or an open mini-GBIC slot (for use with mini-GBIC transceivers)

Physical Characteristics

Dimensions 14.4(d) x 17.32(w) x 1.75(h) in. (36.58 x 43.99 x 4.45 cm)(1U height)

Weight 10.2 lb. (4.63 kg), Fully loaded

Dimensions 16.9(d) x 17.32(w) x 1.75(h) in. (42.93 x 43.99 x 4.45 cm)(1U height)

Weight 10.75 lb. (4.88 kg), Fully loaded

Memory and Processor

Processor Motorola PowerPC MPC8245 @ 266 MHz, 8 MB flash, 64 MB SDRAM

Processor Motorola PowerPC MPC8245 @ 266 MHz, 8 MB flash, 64 MB SDRAM

Mounting

Mounts in an EIA-standard 19 in. telco rack or equipment cabinet (hardware included); horizontal surface mounting only

Mounts in an EIA-standard 19 in. telco rack or equipment cabinet (hardware included); horizontal surface mounting only

Performance

Latency < 5.4 μ s (64-byte packets)

Throughput up to 34.65 million pps (64-byte packets)

Switching capacity 48 Gbps

Routing table size 16000 entries

Latency < 5.4 μ s (FIFO 64-byte packets)

Throughput up to 69.3 million pps (64-byte packets)

Switching capacity 96 Gbps

Routing table size 16000 entries

Environment

Operating temperature 32°F to 131°F (0°C to 55°C)

Operating relative humidity 15% to 95% @ 104°F (40°C)

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)

Altitude up to 15091 ft. (4.6 km)

Acoustic Power: <53 db; DIN 45635T.19 per ISO 7779 @ <80°F (25°C)

Operating temperature 32°F to 131°F (0°C to 55°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

Altitude up to 15091 ft. (4.6 km)

Acoustic Power: <53 db; DIN 45635T.19 per ISO 7779 @ <80°F (25°C)

Electrical Characteristics

Max heat dissipation 341 BTU/hr(359.76 kJ/hr)

Voltage 100-127 / 200-240 VAC

Current 0.6 / 0.3 A

Power consumption 100 W

Frequency 50 / 60 Hz

Max heat dissipation 341 BTU/hr(359.76 kJ/hr)

Voltage 100-127 / 200-240 VAC

Current 0.6 / 0.3 A

Power consumption 100 W

Frequency 50 / 60 Hz

ProCurve Switch 2800 Series

Safety

cUL (CSA 22.2 No. 60950); UL 60950-1; IEC60950; EN60950 cUL (CSA 22.2 No. 60950); UL 60950-1; IEC60950; EN60950

Emission

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

Immunity

EN	EN55024, CISPR 24	EN55024, CISPR 24
ESD	IEC 61000-4-2; 4 kV CD, 8 kV AD	IEC 61000-4-2; 4 kV CD, 8 kV AD
Radiated	IEC 61000-4-3; 3V/m	IEC 61000-4-3; 3V/m
EFT/Burst	IEC 61000-4-4; 1.0 kV (power line), 0.5 kV (signal line)	IEC 61000-4-4; 1.0 kV (power line), 0.5 kV (signal line)
Surge	IEC 61000-4-5; 1 kV/2 kV AC	IEC 61000-4-5; 1 kV/2 kV AC
Conducted	IEC 61000-4-6; 3V	IEC 61000-4-6; 3V
Power frequency magnetic field	IEC 61000-4-8; 1A/m, 50 or 60 Hz	IEC 61000-4-8; 1A/m, 50 or 60 Hz
Voltage	IEC 61000-4-11; >95% reduction, 0.5 period; 30% reduction, 25 periods	IEC 61000-4-11; >95% reduction, 0.5 period; 30% reduction, 25 periods
Harmonics	EN61000-3-2, IEC61000-3-2	EN61000-3-2, IEC61000-3-2
Flicker	EN61000-3-3, IEC61000-3-3	EN61000-3-3, IEC61000-3-3

Management

ProCurve Manager Plus; ProCurve Manager (included); command-line interface; Web browser; configuration menu; out-of-band management (serial RS-232C)	ProCurve Manager Plus; ProCurve Manager (included); command-line interface; Web browser; configuration menu; out-of-band management (serial RS-232C)
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Notes

Other mini-GBICs supported: J4858A ProCurve Gigabit-SX-LC Mini-GBIC J4859A ProCurve Gigabit-LX-LC Mini-GBIC J4860A ProCurve Gigabit-LH-LC Mini-GBIC	Other mini-GBICs supported: J4858A ProCurve Gigabit-SX-LC Mini-GBIC J4859A ProCurve Gigabit-LX-LC Mini-GBIC J4860A ProCurve Gigabit-LH-LC Mini-GBIC
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ProCurve Switch 2800 Series

Standards and Protocols

Device Management

HTML and telnet management

General Protocols

IEEE 802.1D MAC Bridges

IEEE 802.1p Priority

IEEE 802.1Q VLANs

IEEE 802.1w Rapid

Reconfiguration of Spanning Tree

IEEE 802.3ad Link Aggregation

Control Protocol (LACP)

IEEE 802.3x Flow Control

RFC 768 UDP

RFC 783 TFTP Protocol (revision 2)

RFC 792 ICMP

RFC 793 TCP

RFC 826 ARP

RFC 854 TELNET

RFC 951 BOOTP

RFC 1542 BOOTP Extensions

RFC 2030 Simple Network Time

Protocol (SNTP) v4

RFC 2131 DHCP

RFC 3046 DHCP Relay Agent

Information Option

IP Multicast

RFC 3376 IGMPv3

MIBs

RFC 1213 MIB II

RFC 1493 Bridge MIB

RFC 2021 RMONv2 MIB

RFC 2096 IP Forwarding Table MIB

RFC 2613 SMON MIB

RFC 2618 RADIUS Client MIB

RFC 2620 RADIUS Accounting MIB

RFC 2665 Ethernet-Like-MIB

RFC 2668 802.3 MAU MIB

RFC 2674 802.1p and IEEE

802.1Q Bridge MIB

RFC 2737 Entity MIB (Version 2)

RFC 2863 The Interfaces Group MIB

Network Management

IEEE 802.1AB Link Layer

Discovery Protocol (LLDP)

RFC 3176 sFlow

RFC 2665 Ethernet-Like-MIB

SNMPv1/v2c/v3

XRMON

Security

IEEE 802.1X Port Based Network Access Control

RFC 1492 TACACS+

RFC 2138 RADIUS Authentication

Secure Sockets Layer (SSL)

SSHv2 Secure Shell

RFC 2866 RADIUS Accounting

ProCurve Switch 2800 Series

Accessories



ProCurve Gigabit-SX-LC Mini-GBIC (J4858B)
with one 1000Base-SX port; designed for short-distance

Ports
1 LC 1000Base-SX port(IEEE 802.3z Type 1000Base-SX)
Duplex: full only

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
Type:
• 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; designed for long-distance single-mode fiber connectivity, will support multimode fiber connectivity to limited distances

Ports
1 LC 1000Base-LX port(IEEE 802.3z Type 1000Base-LX)
Duplex: full only

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
Type:
• 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)



ProCurve Gigabit-LH-LC Mini-GBIC (J4860B)
with one 1000Base-LH port; designed for long-distance single-mode fiber connectivity

Ports
1 LC 1000Base-LH port(no IEEE standard exists for 1550 nm optics)
Duplex: full only

Physical Characteristics
Dimensions: 2.17(d) x 0.60(w) x 0.46(h) in. (5.5 x 1.53 x 1.18 cm)
Weight: 0.04 lb. (0.02 kg)

Cabling

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

Maximum distance:
• 70 km

ProCurve Switch 2800 Series

NEW ProCurve Manager 2.2 (-)

Windows Server-based network management for ProCurve LAN products

System requirements

For networks having 50 to 250 managed devices, ProCurve recommends the following:

Minimum hardware

2.0 GHz Intel Pentium 4 or equivalent processor
2 GB RAM memory
10 GB storage
1000 MB NIC

for PCM+ as a standalone application, assuming a dedicated server:

Recommended hardware

3.0 GHz Intel Pentium 4 or equivalent processor
3 GB RAM memory
40 GB storage
1000 MB NIC

for PCM+ assuming a dedicated server, and including Identity Driven Manager, ProCurve Mobility Manager, and Network Immunity on the same server:

Recommended software

Microsoft Windows 2000 Server, Advanced Server or Professional with SP4 or better

For networks having 250 to 2,000 managed devices, ProCurve recommends the following:

Minimum hardware

3.0 GHz Intel Pentium 4 or equivalent processor
3 GB RAM memory
40 GB storage
1000 MB NIC

for PCM+ as a standalone application, assuming a dedicated server:

Recommended hardware

Intel Xeon or equivalent processor processor

4 GB RAM memory

80 GB storage

1000 MB NIC

for PCM+ assuming a dedicated server, and including Identity Driven Manager, ProCurve Mobility Manager, and Network Immunity on the same server

Recommended software

Microsoft Windows 2000 Server, Advanced Server or Professional with SP4 or better

Microsoft Windows 2003 Server

Windows XP SP2

Windows XP Professional SP2

Browsers

Microsoft Internet Explorer version 5.0 or later

Supported platforms

HP OpenView Network Node Manager version 6.41 or 7.01 or 7.5 (optional)

Additional requirements

NOTE: Network Immunity Manager when loaded on PCM+ 2.2 can sample up to 500 managed ports using sFlo

Notes

Unlimited license means that ProCurve does not impose a limit on the number of devices attached to the network as a condition of the license. Some degradation in performance may be expected the greater the number of devices attached to the network.

ProCurve Switch 2800 Series

ProCurve 600 Redundant External Power Supply (J8168A)

The ProCurve 600 Redundant and External Power Supply (RPS/EPS) has 6 RPS ports and 2 EPS ports and supplies backup and Power over Ethernet power.

Physical Characteristics

Dimensions: 12.83(d) x 17.44(w) x 1.73(h) in. (32.59 x 44.3 x 4.39 cm)(1U height)

Weight: 11.78 lb. (5.34 kg), Fully loaded

Mounting

1U rack-mountable and wall-mountable enclosure using standard mounting hardware

Environment

Operating temperature: 32°F to 131°F (0°C to 55°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

Altitude: up to 15091 ft. (4.6 km)

Acoustic: Noise emission LwA=59.2 dB at virtual workspace, according to DIN 45635 T.19

Electrical Characteristics

Description: The unit automatically adjusts to any voltage between 100-240 V and either 50 or 60 Hz

Voltage: 100-240 VAC

Current: 9 / 5 A

Power consumption: 800 W

RPS power: 180 W

PoE power: 408 W

Frequency: 50 / 60 Hz

Safety

CSA 22.2 No. 60950

EN 60950/IEC 60950

UL 60950

Emission

FCC Class A

VCCI Class A

EN55022/CISPR-22 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), .05 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; 1 A/m, 50 or 60 Hz

Voltage: 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

Provides information via port interfaces of attached devices

100-FX



ProCurve 100-FX SFP-LC Transceiver (J9054B)

The J9054B ProCurve 100-FX SFP-LC Transceiver is a 100-FX transceiver that fits in SFP (Small Form-factor Pluggable, or "mini-GBIC") slots and provides 100 Mbps full-duplex connectivity up to 2 km distances, over multimode fiber.

Ports

1 LC 100Base-FX port(IEEE 802.3u Type 100Base-FX)

Duplex: half or full

Physical Characteristics

Dimensions: 2.7(d) x 0.54(w) x 0.48(h) in. (6.86 x 1.38 x 1.22 cm)

Weight: 0.06 lb. (0.03 kg)

Environment

Operating temperature: 32°F to 158°F (0°C to 70°C)

Operating relative humidity: 5% to 95%

Non-operating/storage temperature: -40°F to 185°F (-40°C to 85°C)

Non-operating/storage relative humidity: 5% to 85%

Altitude: up to 10000 ft. (3 km)

Cabling

Type:

- 62.5/125 μ m or 50/125 μ m (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:

- 412 meters for half-duplex operation
- 2 kilometers for full-duplex operation

Notes

This product is supported in the ProCurve Switch 6200yl, 5400zl, 4200vl (in the vl J9033A module only), 3500yl, 2900, 2810, 2800, and 2510

- This product is not supported in the J8776A Switch vl 4-Port Mini-GBIC Module See the document titled "Support for the J9054B 100-FX SFP-LC Transceiver", on the "ProCurve Mini-GBICs and SFPs" Manuals Webpage, for minimum software requirements to support this product.

Software

ProCurve Switch 2800 Series

Software (continued)

ProCurve Manager Plus 2.1 100-device limited version (J8778A)

PCM+ provides advanced device management for 100 ProCurve devices, including integration with OpenView's Network Node Manager product.

System requirements

Minimum hardware

2.0 GHz Intel Pentium or equivalent processor
512 MB RAM memory
5 GB storage

Recommended hardware

3.0 GHz Intel Pentium or equivalent processor
1 GB RAM memory
10 GB storage

Recommended software

Microsoft Windows 2000 Server (SP4 or later)
Microsoft Windows 2003 Server
Microsoft Windows XP (SP1 or greater)
Microsoft Windows XP Professional (SP1 or greater)

Browsers

HP OpenView Internet Explorer version 5.0 or later

Required platforms

HP OpenView Network Node Manager version 6.0-6.2

Features

Device auto-discovery
Topology and mapping
Intuitive Explorer-style interface
Usable troubleshooting data and alerts
Device configuration and management
Customize and execute policies across groups
Enhanced network security features
Multiple device configuration management and archiving
Create and configure VLANs across the network
Traffic monitoring and analysis
Auto-configures traffic monitoring of inter-switch links
Software updates with dual flash image support
Modular design for add-in expansion
E-mail/Pager alerts
SNMP trap forwarding
Granular event data via syslog support
OpenView NNM integration

Additional requirements

Additional processing power may be necessary for extensive traffic monitoring

ProCurve Manager Plus 2.1 upgrade to unlimited license (J8779A)

PCM+ 2.1 unlimited license removes the 100 device limit on PCM+ 2.1 100 device license for companies with large device counts.

System requirements

Minimum hardware

2.0 GHz Intel Pentium or equivalent processor
512 MB RAM memory
5 GB storage

Recommended hardware

3.0 GHz Intel Pentium or equivalent processor
1 GB RAM memory
10 GB storage

Recommended software

Microsoft Windows 2003
Microsoft Windows XP
Microsoft Windows XP Professional
Microsoft Windows XP Professional (SP1 or greater)

Browsers

Microsoft Internet Explorer version 5.0 or later

Required platforms

HP OpenView Network Node Manager version 6.0-6.2

Features

Device auto-discovery
Topology and mapping
Intuitive Explorer-style interface
Usable troubleshooting data and alerts
Device configuration and management
Customize and execute policies across groups
Enhanced network security features
Multiple device configuration management and archiving
Create and configure VLANs across the network
Traffic monitoring and analysis
Auto-configures traffic monitoring of inter-switch links
Software updates with dual flash image support
Modular design for add-in expansion
E-mail/Pager alerts
SNMP trap forwarding
Granular event data via syslog support
OpenView NNM integration

Additional requirements

Additional processing power may be necessary for extensive traffic monitoring

ProCurve Switch 2800 Series

Software (continued)

ProCurve Manager Plus 2.1 100-device upgrade (J8991A)

ProCurve Manager Plus 2.1 100 device Upgrade adds new PCM+ 2.1 functionality to previously purchased PCM+ 1.6 or PCM+ 1.5 releases.

System requirements

Minimum hardware

2.0 GHz Intel Pentium or equivalent processor
512 MB RAM memory
5 GB storage

Recommended hardware

3.0 GHz Intel Pentium or equivalent processor
1 GB RAM memory
10 GB storage

Recommended software

Microsoft Windows 2003
Microsoft Windows XP
Microsoft Windows XP Professional
Microsoft Windows XP Professional (SP1 or greater)

Browsers

Microsoft Internet Explorer version 5.0 or later

Required platforms

HP OpenView Network Node Manager version 8.0.9

Features

Device auto-discovery
Topology and mapping
Intuitive Explorer-style interface
Usable troubleshooting data and alerts
Device configuration and management
Customize and execute policies across groups
Enhanced network security features
Multiple device configuration management and archiving
Create and configure VLANs across the network
Traffic monitoring and analysis
Auto-configures traffic monitoring of inter-switch links
Software updates with dual flash image support
Modular design for add-in expansion
E-mail/Pager alerts
SNMP trap forwarding
Granular event data via syslog support
OpenView NNM integration

ProCurve Manager Plus 2.1 unlimited license (J9009A)

PCM+ 2.1 unlimited license provides a PCM+ license that does not limit the number of devices managed (It does NOT require the 100 device license).

System requirements

Minimum hardware

2.0 GHz Intel Pentium or equivalent processor
512 MB RAM memory
5 GB storage

Recommended hardware

3.0 GHz Intel Pentium or equivalent processor
1 GB RAM memory
10 GB storage

Recommended software

Microsoft Windows 2003
Microsoft Windows XP
Microsoft Windows XP Professional
Microsoft Windows XP Professional (SP1 or greater)

Browsers

Microsoft Internet Explorer version 5.0 or later

Supported platforms

HP OpenView Network Node Manager version 6.41 or 7.01 or 7.5

Features

Device auto-discovery
Topology and mapping
Intuitive Explorer-style interface
Usable troubleshooting data and alerts
Device configuration and management
Customize and execute policies across groups
Enhanced network security features
Multiple device configuration management and archiving
Create and configure VLANs across the network
Traffic monitoring and analysis
Auto-configures traffic monitoring of inter-switch links
Software updates with dual flash image support
Modular design for add-in expansion
E-mail/Pager alerts
SNMP trap forwarding
Granular event data via syslog support
OpenView NNM integration

Additional requirements

Additional processing power may be necessary for extensive traffic monitoring

ProCurve Switch 2800 Series

Software (continued)

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

ProCurve Identity Driven Manager is a plug-in to ProCurve Manager Plus that dynamically applies security and performance settings based on user, device, location, time, and client system state -- 500 user license

System requirements

Please refer to ProCurve Manager Plus for system requirements

Minimum hardware

2 MB storage

Supported platforms

OpenView NNM integration

RADIUS server support

FreeRADIUS (on Red Hat ES3 or ES4 or SuSe Linux 9)

Funk Steelbelted RADIUS Server

Microsoft IAS

Features

Intuitive Explorer-style interface

OpenView NNM integration

Application of policies by user identity

- Auto VLAN assignment

- Auto set quality of service by user
- Auto set bandwidth assignment by user
Rule-based access rights deployment
Dynamic rights assignment based on:
- Time
- Location
- User system
Auto-discovery of:
- RADIUS servers
- Realms
- Users

Notes

The base product for Identity Driven Manager allows for managing up to 500 users. Customers may add users in quantities of 2000 by purchasing J9014A.

Identity Driven Manager 2.0 base product (upgrade from v1.0) (J9013A)

Identity Driven Manager 2.0 500 user upgrade from v1.0 allows existing v1.0 customers to get the features of v2.0, with a 500-user limitation.

System requirements

Please refer to ProCurve Manager Plus for system requirements

Minimum hardware

2 MB storage

Required platforms

ProCurve Manager Plus version 2.1

Supported platforms

- Users

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Notes

This upgrade provides Identity Driven Manager 2.0, which allows for managing up to 500 users. Customers may add users in quantities of 2000 by purchasing J9014A.

Identity Driven Manager 2.0--add 2000 users license (J9014A)

Adds support for 2000 additional users to the base Identity Driven Manager 2.0 product

System requirements

Please refer to ProCurve Manager Plus for system requirements

Minimum hardware

2 MB storage

Required platforms

ProCurve Manager Plus version 2.1

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Notes

Pricing has not been confirmed, but it will likely have this structure, allowing customers to buy additional units of 2000 users at a time.