

## ProCurve Routing Switch 9300m Series

The ProCurve Routing Switch 9300m series delivers high-performance capabilities and investment protection for medium and large enterprise networks. By providing high-performance throughput from the wiring closet into the data center and out to the edge of the WAN, the non-blocking architecture of the ProCurve 9300m series enables network managers to build scalable and highly available network designs.



ProCurve Routing Switch  
9315m (J4874A)



ProCurve Routing Switch  
9308m (J4138A)



ProCurve Routing Switch  
9304m (J4139A)

# ProCurve Routing Switch 9300m Series

## Features and benefits

### Connectivity

- **Superior port density (Enhanced Performance modules only):** provides enhanced system capabilities and overall investment protection
- **10-Gigabit Ethernet (10-GbE):** simplify data-center configurations and increase backbone throughput

### Performance

- **Up to 345 million pps performance:** provides the high performance required by large networks
- **Jumbo frames:** on Gigabit/Enhanced Performance modules and 10-Gigabit/non-Enhanced Performance modules, allow high-performance remote backup and disaster-recovery services
- **Hardware-based wire-speed access control lists:** feature-rich ACL implementation (selective ACL logging, scalability, and syntax compatibility) with enhanced editing capabilities helps ensure high levels of security and ease of administration without impacting network performance
- **Increased on-board memory and flash capacity (Enhanced Performance modules only):** enables more robust management scalability and capability

### Resiliency and high availability

- **Port trunking:** for higher switch-to-switch and switch-to-server throughput and link-level redundancy, with support for standards-based link aggregation (IEEE 802.3ad)
- **Next-generation Spanning Tree functionality:** single-instance STP, Per VLAN Spanning Tree (PVST), Per VLAN Group STP (PVGST), Rapid Spanning Tree Protocol (IEEE 802.1w), and Multi-Instance Spanning Tree (IEEE 802.1s) all provide improved availability and scalability for Spanning Tree-based networks

- **Hot-swappable chassis modules:** allow swapping of modules without interrupting the network

- **Automatic routing switch failover:** provides hot standby redundancy using standards-based Virtual Router Redundancy Protocol (VRRP) or Standby Routing Protocol (SRP)

- **Optional redundant management:** provides automatic failover from the active management module to the standby management module for high availability

### Layer 2 switching

- **IP multicast snooping and data-driven IGMP:** provides IGMP to control multicast traffic in non-routed environments

- **Policy-based VLANs:** allow assigning of VLANs on a port, protocol, subnet, or IEEE 802.1Q tagged basis

### Layer 3 routing

- **IP multicast routing:** provides DVMRP, PIM Dense, PIM Sparse, and PIM snooping mode support in routed environments to control multicast traffic

- **IP/IPX/AppleTalk routing:** provides routing of IP and IPX at media speed

### Security

- **Advanced access security:** protection against denial-of-service attacks; unauthorized network access and associated downtime are avoided using Secure Shell v2, Secure Sockets Layer (SSL), Secure Copy, wire-speed rate limiting, and user authentication (with AAA, RADIUS, and TACACS+)

- **Dynamic IP ACLs and MAC filters:** provide an additional level of security via dynamic port configuration to IEEE 802.1X ports, based on user profile information sent by the authentication server

# ProCurve Routing Switch 9300m Series

## Quality of Service (QoS)

- **Layer 4 prioritization:** delivers QoS for delay-sensitive applications

## Manageability

- **Full-featured console:** provides complete control of the switch with a familiar command-line interface (CLI)
- **Web interface:** allows configuration of the switch from any Web browser on the network

## Monitor and diagnostics

- **sFlow (RFC 3176) (Enhanced Performance modules only):** provides wire-speed traffic accounting and monitoring
- **Software updates:** free downloads from the Web

## Industry-leading warranty

- One-year next-business-day advance replacement (available in most countries), with extensions available

## Services

### ProCurve Routing Switch 9315m

- 3-year, parts only, global next-day advance exchange (UA121E)
- 3-year, 4-hour onsite, 13x5 coverage for hardware (H2885E)
- 3-year, 4-hour onsite, 24x7 coverage for hardware (H2886E)
- 3-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone support (U2867E)
- 1-year, post-warranty, parts only, global next-day advance exchange (H7640PE)
- 1-year, post-warranty, 4-hour onsite, 13x5 coverage for hardware (H2739PE)
- 1-year, post-warranty, 4-hour onsite, 24x7 coverage for hardware (U2868PE)

- 1-year, post-warranty, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone support (UA424PE)
- Installation with minimum configuration, system-based pricing (U4829E)
- Installation with HP-provided configuration, system-based pricing (U4833E)

### ProCurve Routing Switch 9308m

- 3-year, parts only, global next-day advance exchange (UA121E)
- 3-year, 4-hour onsite, 13x5 coverage for hardware (H2885E)
- 3-year, 4-hour onsite, 24x7 coverage for hardware (H2886E)
- 3-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone support (U2867E)
- 1-year, post-warranty, parts only, global next-day advance exchange (H7640PE)
- 1-year, post-warranty, 4-hour onsite, 13x5 coverage for hardware (H2739PE)
- 1-year, post-warranty, 4-hour onsite, 24x7 coverage for hardware (U2868PE)
- 1-year, post-warranty, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone support (UA424PE)
- Installation with minimum configuration, system-based pricing (U4829E)
- Installation with HP-provided configuration, system-based pricing (U4833E)

### ProCurve Routing Switch 9304m

- 3-year, parts only, global next-day advance exchange (UA120E)
- 3-year, 4-hour onsite, 13x5 coverage for hardware (H2887E)
- 3-year, 4-hour onsite, 24x7 coverage for hardware (H2888E)
- 3-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone support (U2865E)
- 1-year, post-warranty, parts only, global next-day advance exchange (H7639PE)
- 1-year, post-warranty, 4-hour onsite, 13x5 coverage for hardware (H2738PE)
- 1-year, post-warranty, 4-hour onsite, 24x7 coverage for hardware (U2866PE)
- 1-year, post-warranty, 4-hour onsite, 24x7

## ProCurve Routing Switch 9300m Series

coverage for hardware, 24x7 software phone support (UA423PE)

- Installation with minimum configuration, system-based pricing (U4829E)
- Installation with HP-provided configuration, system-based pricing (U4833E)

# ProCurve Routing Switch 9300m Series



**ProCurve Routing Switch  
9315m (J4874A)**



**ProCurve Routing Switch  
9308m (J4138A)**



**ProCurve Routing Switch  
9304m (J4139A)**

## Specifications

Included accessories	2 ProCurve 9315m Redundant Power Supply (J4875A)	2 ProCurve 9304m/9308m Redundant Power Supply (J4147A)	1 ProCurve 9304m/9308m Redundant Power Supply (J4147A)
<b>Ports</b>	15 open module slots Supports a maximum of 672 auto-sensing 10/100 ports or 232 Gigabit ports or 28 10-GbE ports	8 open module slots Supports a maximum of 336 auto-sensing 10/100 ports or 120 Gigabit ports or 14 10-GbE ports	4 open module slots Supports a maximum of 144 auto-sensing 10/100 ports or 56 Gigabit ports or 6 10-GbE ports
<b>Physical characteristics</b>			
Dimensions	15.0(d) x 17.5(w) x 29.75(h) in. (38.1 x 44.45 x 75.57 cm) (17U height)	15.0(d) x 17.5(w) x 20.75(h) in. (38.1 x 44.45 x 52.71 cm) (12U height)	15.0(d) x 17.5(w) x 8.75(h) in. (38.1 x 44.45 x 22.23 cm) (5U height)
Weight	256 lb. (116.12 kg), Fully loaded	117 lb. (53.07 kg), Fully loaded	60.01 lb. (27.22 kg), Fully loaded
<b>Memory and processor</b>			
Processor	Motorola PowerPC @ 466 MHz, 16 MB flash, 512 MB RAM/ROM capacity; packet buffer size: 4 MB per module	Motorola PowerPC @ 466 MHz, 16 MB flash, 512 MB RAM/ROM capacity; packet buffer size: 4 MB per module	Motorola PowerPC @ 466 MHz, 16 MB flash, 512 MB RAM/ROM capacity; packet buffer size: 4 MB per module
<b>Mounting</b>			
	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	Mounts in an EIA-standard 19 in. telco rack or equipment cabinet (hardware included); horizontal surface mounting only
<b>Performance</b>			
Latency	< 7 $\mu$ s (FIFO) Gbps	< 7 $\mu$ s (FIFO) Gbps	< 7 $\mu$ s (FIFO) Gbps
Throughput	345 million pps (64-byte packets)	178 million pps (64-byte packets)	83 million pps (64-byte packets)
Routing/Switching capacity	480 Gbps	256 Gbps	128 Gbps
Routing table size	64000 entries	64000 entries	64000 entries
<b>Environment</b>			
Operating temperature	32°F to 104°F (0°C to 40°C)	32°F to 104°F (0°C to 40°C)	32°F to 104°F (0°C to 40°C)
Operating relative humidity	5% to 90% @ 104°F (40°C), non-condensing	5% to 90% @ 104°F (40°C), non-condensing	5% to 90% @ 104°F (40°C), non-condensing
Non-operating/Storage temperature	-13°F to 158°F (-25°C to 70°C)	-13°F to 158°F (-25°C to 70°C)	-13°F to 158°F (-25°C to 70°C)
Non-operating/Storage relative humidity	0% to 90% @ 149°F (65°C), non-condensing	0% to 90% @ 149°F (65°C), non-condensing	0% to 95% @ 149°F (65°C), non-condensing
Shock and vibration	EN 60068 (IEC 60068)	EN 60068 (IEC 60068)	EN 60068 (IEC 60068)
<b>Electrical characteristics</b>			
Maximum heat dissipation	5857 BTU/hr (6179 kJ/hr)	2835 BTU/hr (2991 kJ/hr)	1435 BTU/hr (1514 kJ/hr)
Voltage	100-120 / 200-240 VAC	100-120 / 200-240 VAC	100-120 / 200-240 VAC
Current	17 / 8.5 A	8 / 4 A	8 / 4 A
Power consumption	1715 W	830 W	420 W

# ProCurve Routing Switch 9300m Series

Frequency	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz
<b>Safety</b>	CSA 950; EN 60950/IEC 60950; UL 1950	CSA 950; EN 60950/IEC 60950; UL 1950	CSA 950; EN 60950/IEC 60950; UL 1950
<b>Emissions</b>	FCC Class A; VCCI Class A; EN 55022/CISPR 22 Class A	FCC Class A; VCCI Class A; EN 55022/CISPR 22 Class A	FCC Class A; VCCI Class A; EN 55022/CISPR 22 Class A
<b>Immunity</b>			
ESD	IEC 61000-4-2; 4 kV CD, 8 kV AD	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; 3 V/m	IEC 61000-4-3; 3 V/m	IEC 61000-4-3; 3 V/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)	IEC 61000-4-4; 1.0 kV (power line), 0.5 kV (signal line)
Conducted	IEC 61000-4-6; 3 V	IEC 61000-4-6; 3 V	IEC 61000-4-6; 3 V
<b>Management</b>	ProCurve Manager Plus; ProCurve Manager (included); IEEE 802.3 Ethernet MIB; Repeater MIB; Ethernet Interface MIB	ProCurve Manager Plus; ProCurve Manager (included); IEEE 802.3 Ethernet MIB; Repeater MIB; Ethernet Interface MIB	ProCurve Manager Plus; ProCurve Manager (included); IEEE 802.3 Ethernet MIB; Repeater MIB; Ethernet Interface MIB
<b>Standards and Protocols</b>	<p><b>General Protocols</b>            IEEE 802.1D MAC Bridges            IEEE 802.1p Priority            IEEE 802.1Q VLANs            IEEE 802.3x Flow Control            RFC 1058 RIPv1            RFC 1723 RIP v2            RFC 2338 VRRP</p> <p><b>IP Multicast</b></p>	<p>RFC 1075 DVMRP v3-07            RFC 3376 IGMPv3</p> <p><b>MIBs</b>            RFC 1493 Bridge MIB</p> <p><b>Network Management</b>            RFC 2819 Four groups of RMON:            1 (statistics), 2 (history), 3</p>	<p>(alarm) and 9 (events)            SNMPv1/v2c/v3</p> <p><b>OSPF</b>            RFC 1583 OSPF v2</p> <p><b>Security</b>            Secure Sockets Layer (SSL)            SSHv1/SSHv2 Secure Shell</p>

# ProCurve Routing Switch 9300m Series

## Accessories

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### ProCurve 9300 EP 16-Port 100/1000-T Module (J4895A)

with 16 auto-sensing 100/1000 ports

#### Ports

16 RJ-45 auto-sensing 100/1000 ports (IEEE 802.3u Type 100Base-TX, IEEE 802.3ab Type 1000Base-T)  
Media Type: IEEE Auto-MDIX  
Duplex: 100Base-TX: half or full; 1000Base-T: full only

#### Physical characteristics

Dimensions: 16.0(d) x 12.5(w) x 1.0(h) in. (40.64 x 31.75 x 2.54 cm)  
Weight: 4.31 lb. (1.94 kg)

#### Cabling

Type:

- 100Base-TX: Category 5 (or better),

100  $\Omega$  differential unshielded twisted pair (UTP) or shielded twisted pair (STP), complying with IEEE 802.3u 100Base-TX

- 1000Base-T: Category 5 (5E or better recommended), 100  $\Omega$  differential 4-pair unshielded twisted pair (UTP) or shielded twisted pair (STP) balanced, complying with IEEE 802.3ab 1000Base-T

#### Notes

This module cannot be installed in the same chassis with non-EP modules.

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### ProCurve 9300 EP 24-Port 100Base-FX Module (J8178A)

with 24 100Base-FX ports

#### Ports

24 MTRJ 100Base-FX ports (IEEE 802.3u Type 100Base-FX)  
Duplex: half or full

#### Physical characteristics

Dimensions: 16.0(d) x 12.5(w) x 1.0(h) in. (40.64 x 31.75 x 2.54 cm)  
Weight: 3.0 lb. (1.35 kg)

#### Cabling

Type:

- 62.5/125  $\mu\text{m}$  or 50/125  $\mu\text{m}$  (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:

- 2 km

#### Notes

This module cannot be installed in the same chassis with non-EP modules.

This module supports full duplex mode only.

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### ProCurve 9304m/9308m Redundant Power Supply (J4147A)

Redundant power supply for the ProCurve Routing Switch 9308m or 9304m

#### Physical characteristics

Dimensions: 13.6(d) x 7.3(w) x 3.15(h) in. (34.54 x 18.54 x 8 cm)  
Weight: 8.15 lb. (3.67 kg)

#### Electrical characteristics

Voltage: 100-120 / 200-240 VAC  
Current: 8.0 / 4.0 A  
Frequency: 50 / 60 Hz

#### Notes

For additional RPS specification information, see the data sheet for the product in which the RPS is being installed.

This RPS is supported only in the following chassis:

- J4138A ProCurve Routing Switch 9308m
  - J4139A ProCurve Routing Switch 9304m
- Switch 9304m includes one power supply; supports max of 2.

Switch 9308m includes two power supplies; supports max of 4.

- Adding one additional power supply (for total of 3) provides N+1 redundancy.
  - Adding two additional power supplies (for total of 4) allows use of 2 separate power grids.
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# ProCurve Routing Switch 9300m Series

## ProCurve 9315m Redundant Power Supply (J4875A)

Redundant power supply for the ProCurve Routing Switch 9315m.

### Physical characteristics

Dimensions: 15.5(d) x 7.75(w) x 4.4(h) in. (39.37 x 19.68 x 11.18 cm)  
Weight: 14.5 lb. (6.53 kg)

### Electrical characteristics

Voltage: 100-120 / 200-240 VAC  
Current: 16 A  
Frequency: 50 / 60 Hz

### Notes

For additional RPS specification information, see the data sheet for the product in which the RPS is being

installed.

This RPS is supported only in the J4874A ProCurve Routing Switch 9315m.

Switch 9315m includes 2 power supplies; supports max of 4.

- Adding one additional power supply (for total of 3) provides N+1 redundancy.
- Adding two additional power supplies (for total of 4) allows use of 2 separate power grids.



## ProCurve 10-GbE XENPAK SR Optic (J8175A)

XENPAK-based hot-pluggable optic. SR or 300 m distance.

### Ports

1 SC 10-GbE port (IEEE 802.3ae Type 10Gbase-SR)  
Duplex: full only

### Physical characteristics

Dimensions: 4.76(d) x 1.42(w) x 0.69(h) in. (12.09 x 3.61 x 1.75 cm)  
Weight: 0.30 lb. (0.14 kg)

### Cabling

Type:

- 62.5/125  $\mu\text{m}$  (core/cladding) diameter, multimode fiber optic, with effective modal bandwidth of 400 MHz/km as detailed in TIA-492AAAC for distances of up to 66 m
- 62.5/125  $\mu\text{m}$  (core/cladding) diameter, multimode fiber optic, with effective modal bandwidth of 200 MHz/km as detailed in TIA-492AAAC for distances of

up to 33 m

- 50/125  $\mu\text{m}$  (core/cladding) diameter, multimode fiber optic, with effective modal bandwidth of 2000 MHz/km as detailed in TIA-492AAAC for distances of up to 300 m

Maximum distance:

- 300 m

### Notes

For use with ProCurve 9300 2-Port 10-GbE Module (J8174A) only.

850 nm serial optics

Optic only - module sold separately.



## ProCurve 10-GbE XENPAK LR Optic (J8173A)

XENPAK-based hot-pluggable optic. LR or 10 km distance.

### Ports

1 SC 10-GbE port (IEEE 802.3ae Type 10Gbase-LR)  
Duplex: full only

### Physical characteristics

Dimensions: 4.76(d) x 1.42(w) x 0.69(h) in. (12.1 x 3.6 x 1.74 cm)  
Weight: 0.30 lb. (0.14 kg)

### Cabling

Type:

- Single-mode fiber optic, complying with ITU-T G.652

Maximum distance:

- 10 km

### Notes

For use with ProCurve 9300 2-Port 10-GbE Module (J8174A) only.

1310 nm serial optics

Optic only - module sold separately.

# ProCurve Routing Switch 9300m Series



**ProCurve 10-GbE XENPAK ER Optic (J8176A)**  
XENPAK-based hot-pluggable optic. ER or 40 km distance.

**Ports**

1 SC 10-GbE port (IEEE 802.3ae Type 10Gbase-ER)  
Duplex: full only

Maximum distance:  
• 40 km

**Physical characteristics**

Dimensions: 4.76(d) x 1.42(w) x 0.69(h) in. (12.09 x 3.61 x 1.75 cm)  
Weight: 0.30 lb. (0.14 kg)

**Notes**

For use with ProCurve 9300 2-Port 10-GbE Module (J8174A) only.

**Cabling**

Type:  
• Single-mode fiber optic, complying with ITU-T G.652; requires a minimum of 5 dB attenuation or a cable length of 10 km

1550 nm serial optics

Optic only - module sold separately.



**ProCurve Gigabit-SX-LC Mini-GBIC (J4858C)**  
A small form factor pluggable (SFP) gigabit SX transceiver that provides a full-duplex gigabit solution up to 550 meters on multimode fiber.

**Ports**

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

low metal content, multimode fiber optic, complying with ITU-T G.651 and ISO/IEC 793-2 Type A1b or A1a, respectively

**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)

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)

**Cabling**

Type:  
• 62.5/125 µm or 50/125 µm (core/cladding) diameter, graded-index,



**ProCurve Gigabit-LX-LC Mini-GBIC (J4859C)**  
A small form factor pluggable (SFP) gigabit LX transceiver that provides a full-duplex gigabit solution up to 10 km (singlemode) or 550 m (multimode).

**Ports**

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

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

**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)

Maximum distance:

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

**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

**Notes**

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



**ProCurve Gigabit-LH-LC Mini-GBIC (J4860C)**  
A small form factor pluggable (SFP) gigabit LH transceiver that provides a full-duplex gigabit solution up to 70 km on singlemode fiber.

**Ports**

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

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

**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)

Maximum distance:

- 70 km

**Cabling**

# ProCurve Routing Switch 9300m Series



**ProCurve Gigabit 1000Base-T Mini-GBIC (J8177B)**  
A small form-factor pluggable (SFP) gigabit copper transceiver that provides a full-duplex gigabit solution up to 100 meters on Category 5 or better cable.

### Ports

1 RJ-45 1000Base-T port (IEEE 802.3ab Type 1000Base-T)  
Duplex: full only

### Physical characteristics

Dimensions: 2.71(d) x 0.54(w) x 0.55(h) in. (6.88 x 1.37 x 1.4 cm)  
Weight: .06 lb. (0.03 kg)

### Cabling

Type:

- 1000Base-T: Category 5 (5E or better recommended), 100  $\Omega$  differential 4-pair unshielded twisted pair (UTP) or shielded twisted pair (STP) balanced, complying with IEEE 802.3ab 1000Base-T

Maximum distance:

- 100 m

### Notes

When used in the ProCurve Switch gl 20-Port 10/100/1000 Module (J4908A), the J8177B mini-GBIC can be installed in either the upper or lower mini-GBIC port, but will block access to the other port.

See the document titled "Support for the J8177B 1000Base-T Mini-GBIC", on the "ProCurve Mini-GBICs and SFPs" Manuals Web page, for supported platforms and minimum software requirements to support this product.

The J8177B gigabit copper mini-GBIC is not supported on dual-personality ports.

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## 9300m Modules

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**ProCurve 9300 EP 8-Port Mini-GBIC Redundant Management Module (J4885A)**  
with 8 open mini-GBIC slots

### Ports

8 open mini-GBIC (SFP) slots  
1 RS-232C DB-9 console port

### Physical characteristics

Dimensions: 16.0(d) x 12.5(w) x 1.0(h) in. (40.64 x 31.75 x 2.54 cm)  
Weight: 4.35 lb. (1.96 kg)

### Notes

Duplex: full

This module cannot be installed in the same chassis with non-EP modules.

Two modules are required for redundant configuration.



**ProCurve 9300 2-Port 10-GbE Module (J8174A)**  
single-slot module provides two ports with 10-GbE connectivity

### Ports

2 open 10-GbE XENPAK transceiver slots

### Physical characteristics

Dimensions: 16.0(d) x 12.5(w) x 1.0(h) in. (40.64 x 31.75 x 2.54 cm)  
Weight: 5.2 lb. (2.34 kg)

### Notes

Duplex: full

This module can be installed in the same chassis with either EP or non-EP modules.

This module requires software version 07.6.04 or greater.



**ProCurve 9300 EP 16-Port Mini-GBIC Module (J4894A)**  
with 16 open mini-GBIC slots

### Ports

16 open mini-GBIC (SFP) slots

### Physical characteristics

Dimensions: 16.0(d) x 12.54(w) x 1.0(h) in. (40.64 x 31.85 x 2.54 cm)  
Weight: 4.31 lb. (1.94 kg)

### Notes

Duplex: full

This module cannot be installed in the same chassis with non-EP modules.



**ProCurve 9300 EP 48-Port 10/100-TX RJ-45 Module (J4881B)**  
with 48 auto-sensing 10/100 ports

**Ports**

48 RJ-45 auto-sensing 10/100 ports (IEEE 802.3 Type 10Base-T, IEEE 802.3u Type 100Base-TX)  
Media Type: ProCurve Auto-MDIX  
Duplex: half or full

**Physical characteristics**

Dimensions: 16.0(d) x 12.5(w) x 2.0(h)  
in. (40.64 x 31.75 x 5.08 cm)  
Weight: 5.2 lb. (2.34 kg)

**Cabling**

Type:  
• 10Base-T: Category 3 (or better) 100  $\Omega$  differential unshielded twisted pair (UTP) or shielded twisted pair (STP), complying with IEEE 802.3 Type 10Base-T  
• 100Base-TX: Category 5 (or better),

100  $\Omega$  differential unshielded twisted pair (UTP) or shielded twisted pair (STP), complying with IEEE 802.3u 100Base-TX

**Notes**

This module cannot be installed in the same chassis with non-EP modules.

Requires software version 07.8.00 or greater.

This module occupies two chassis slots.

This module supports full duplex mode only.

fl Modules



**ProCurve 9300 EP 48-Port 10/100-TX Telco (RJ-21) Module (J4889B)**  
with 48 auto-sensing 10/100 ports

**Ports**

48 RJ-21 auto-sensing 10/100 ports (IEEE 802.3 Type 10Base-T, IEEE 802.3u Type 100Base-TX)  
Media Type: ProCurve Auto-MDIX  
Duplex: half or full

**Physical characteristics**

Dimensions: 16.0(d) x 12.5(w) x 1.0(h)  
in. (40.64 x 31.75 x 2.54 cm)  
Weight: 4.64 lb. (2.09 kg)

**Cabling**

Type:  
• 10Base-T: Category 3 (or better) 100  $\Omega$  differential unshielded twisted pair (UTP) or shielded twisted pair (STP), complying with IEEE 802.3 Type 10Base-T

• 100Base-TX: Category 5 (or better), 100  $\Omega$  differential unshielded twisted pair (UTP) or shielded twisted pair (STP), complying with IEEE 802.3u 100Base-TX

**Notes**

This module cannot be installed in the same chassis with non-EP modules.

Requires software version 07.8.00 or greater.

This module supports full duplex mode only.