

## hp procure switch 4000m and 8000m



### hp procure switch 4000m (J4121A)

With 40 10/100Base-TX autosensing ports installed and 5 open module slots



### hp procure switch 8000m (J4110A)

With 10 open module slots

## accessories

HP Procurve switch 10/100Base-T module (J4111A)  
 HP Procurve switch 100Base-FX module (J4112A)\*  
 HP Procurve switch Gigabit-SX module (J4113A)  
 HP Procurve switch Gigabit-LX module (J4114A)  
 HP Procurve switch 100/1000Base-T module (J4115B)  
 HP Procurve switch 10Base-FL module (J4118A)  
 HP Procurve switch 4000m/8000m redundant power supply (J4119A)

\* A redundant power supply (J4119A) is required if more than 5 100Base-FX modules (J4112A) are installed

For accessory information, including port counts, IEEE specs, and compatibility, see pages 20–23.

Managed modular 10/100/Gigabit desktop switches that provide scalable, low-cost switching and all the benefits of HP Proactive Networking. They are ideal for organizations looking for scalable, expandable, low-cost migration to 10/100 switching to the desktop with Gigabit uplinks. The 4000m and 8000m are the easiest way to build high availability networks. The 4000m includes 40 10/100Base-TX autosensing ports. The 8000m provides 10 open module slots.

## features and benefits

- **Stacking capability:** single IP address management for a virtual stack of up to 16 switches including the 1600m, 2400m, 2424m, 2512, 2524, 4000m, 8000m, and 4108gl\*\*
- **RMON and extended RMON:** provide advanced monitoring capabilities
- **Port monitoring:** allows you to monitor traffic using a switched port so you can view several ports at one time with a network analyzer
- **Web interface:** allows you to configure the switch from any Web browser on the network
- **Protocol filtering:** provides traffic control
- **VLAN support and tagging:** supports up to 30 port-based VLANs and dynamic configuration of 802.1Q VLAN tagging providing security between workgroups
- **Class of Service (CoS) tagging:** sets 802.1p priority field using policy-based management
- **IP multicast (IGMP):** prevents flooding of IP multicast traffic
- **Port security:** prevents unauthorized access using MAC address lockdown
- **Switch meshing:** delivers high availability with high performance
- **Hot swappable modules:** allow you to add or swap modules without interrupting the network
- **Optional redundant power supply:** provides uninterrupted power
- **Spanning Tree Protocol:** provides redundant links while preventing network loops
- **Lifetime warranty:** for as long as you own the product, with next business day advance replacement (available in most countries)
- **Port trunking:** for higher switch-to-switch and switch-to-server throughput and link-level redundancy
- **Cisco Fast EtherChannel:** provides higher throughput to other devices that support FEC
- **Automatic Broadcast Control (ABC):** minimizes IP and IPX broadcast traffic throughout the network
- **TACACS+:** eases administration of switch management security by using a password authentication server
- **Cisco Discovery Protocol (CDP):** enables real-time mapping of end nodes to switch ports

\*\*Check [www.hp.com/go/hpprocurve](http://www.hp.com/go/hpprocurve) for availability of this software update on the 4108gl

## specifications\*\*\*

### Ports

Switch 4000m:  
 40 RJ-45 10/100Base-TX ports (IEEE 802.3 Type 10Base-T; 802.3u Type 100Base-TX)  
 5 open module slots

Switch 8000m:  
 10 open module slots

Both:  
 One RS-232C DB-9 console port

### Physical Characteristics

Dimensions: 44.2 x 33.5 x 17.8 cm (17.4 x 13.2 x 7 in)

Weight  
 4000m: 10.4 kg (22.9 lbs)  
 8000m: 9.4 kg (20.7 lbs)

### Memory & Processor

Packet Buffer Size: 512 KB per port (10/100 ports); 4 MB per port (Gigabit ports)  
 RAM/ROM capacity: 16 MB  
 Processor type & speed: Intel i960JD @ 66 MHz  
 Flash capacity: 2 MB

### Management

HP TopTools for hubs and switches included  
 SNMPv1/v2c  
 RMON groups: 1 (statistics), 2 (history), 3 (alarm), and 9 (events)  
 Extended RMON  
 RFC 1493 Bridge MIB

### Performance

Latency: <10 Ks (LIFO)  
 Throughput: 4.67 Mpps (based on 64-byte packets)  
 Switch fabric speed: 3.8 Gbps  
 Address table size: 10,000

### Environment

Operating  
 – Temperature: 0°C to 55°C (32°F to 131°F)  
 – Relative humidity: 15% to 95% at 40°C (104°F), noncondensing  
 Non-operating/storage  
 – Temperature: –40°C to 70°C (–40°F to 158°F)  
 – Relative humidity: 15% to 95% at 65°C (149°F), noncondensing

### Mounting

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

### Electrical Characteristics

Heat dissipation/hour: 535 BTU/hr  
 Maximum wattage: 157 W  
 AC voltage: 100–127 VAC 200–240 VAC  
 Maximum current: 2.0 A max 1.0 A max  
 Frequency range: 50–60 Hz

### Communications

IEEE 802.1p priority; IEEE 802.1D Spanning Tree; IEEE 802.1Q VLANs; IEEE 802.3x Flow Control

### Safety

EN60950/IEC 950; UL 1950; CSA 950; complies with NOM-019-SCFI-1994

### Emissions

FCC Class A; EN 55022/CISPR22 Class A; VCCI Class A

### Immunity

Generic: EN 50082-1  
 ESD: IEC 801-2; 4 kV CD, 8 kV AD  
 Radiated: IEC 801-3; 3 V/m  
 EFT/Burst (EFT/B): IEC 801-4; 1.0 kV (power line), 0.5 kV (signal line)