

HP ProCurve Switch 4000M and 8000M

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 Gigabit switching to the desktop. The 4000M and 8000M provide the easiest way to build high availability networks. The 4000M includes 40 10/100Base-TX autosensing ports. The 8000M provides 10 open module slots.

Control

- **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 PC on the network with a Web browser
- **Protocol filtering:** provides traffic control
- **VLAN support and tagging:** provides security between workgroups and multiple VLANs over the same physical link
- **Class of Service (CoS) tagging:** sets 802.1p priority field using policy-based management
- **IP multicast (IGMP):** prevents flooding of multicast traffic
- **Port security:** prevents unauthorized access using MAC address lockdown

Uptime

- **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

Performance

- **Port trunking:** for higher switch-to-switch 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

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 lb)
– 8000M: 9.4 kg (20.7 lb)

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

Mounting

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

Management

HP TopTools for Hubs & Switches included
SNMPv1/v2c
RMON groups: 1 (statistics), 2 (history), 3 (alarm), and 9 (events)

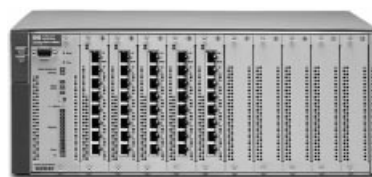
Extended RMON
RFC 1493 Bridge MIB

Performance

Latency: <10µs (LIFO)
Throughput: 4.67 million pps (64-byte packets)
Backplane speed: 3.8 Gbps
Address table size: 10,000 entries

Environment

Operating
– Temperature: 0°C to 55°C (32°F to 131°F)
– Relative humidity: 15 to 95% @ 40°C (104°F), noncondensing
Non-operating/storage
– Temperature: -40°C to 70°C (-40°F to 158°F)
– Relative humidity: 90% @ 65°C (149°F), noncondensing
Shock & Vibration: EN 60068 (IEC 68)



HP ProCurve Switch 4000M (J4121A)

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



HP ProCurve 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 (J4115A)
HP ProCurve Switch 10Base-FL Module (J4118A)
HP ProCurve Switch 4000M/8000M Redundant Power Supply (J4119A)

For accessory information, including port counts, IEEE specs, and compatibility, see pages 22–25.