

A stackable, managed 24-port, expandable 10/100 Ethernet desktop switch that offers reliable connectivity and high availability features. The HP Procurve switch 2424m includes 1 open module slot for Gigabit stacking and uplinks.

## hp procurve switch 2424m

### 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
- **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



**hp procurve switch 2424m (J4093A)**  
With 24 10/100Base-TX autosensing ports and 1 open module slot on the back for stacking or port expansion

### accessories

HP Procurve switch 2424m Gigabit stacking module (J4130A)\*  
 HP Procurve switch Gigabit stacking kit (J4116A)\*\*  
 HP Procurve Gigabit-SX transceiver (J4131A)\*\*  
 HP Procurve Gigabit-LX transceiver (J4132A)\*\*  
 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)

\* You can stack HP Procurve switch 2424m units by installing the 2-port HP Procurve switch 2424m Gigabit stacking module (J4130A) and HP Procurve switch Gigabit stacking kit (J4116A). (One stacking module is required for each switch, and for every n switches, you need n-1 stacking kits.) The switch 2424m Gigabit stacking module can also be used as a dual Gigabit uplink module with the HP Procurve Gigabit-SX transceiver (J4131A) and/or the HP Procurve Gigabit-LX transceiver (J4132A).

\*\* Requires HP Procurve switch 2424m Gigabit stacking module (J4130A)

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

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

### specifications\*\*

#### Ports

24 RJ-45 10/100Base-TX ports (IEEE 802.3 Type 10Base-T; 802.3u Type 100Base-TX)

One open module slot  
One RS-232C DB-9 console port

#### Physical Characteristics

Dimensions: 44.2 x 33.5 x 6.6 cm (17.4 x 13.2 x 2.6 in)  
Weight: 4.7 kg (10.4 lb)

#### Memory & Processor

Packet buffer size: 256 KB per port (10/100 ports);  
4 MB per port (Gigabit ports)

RAM/ROM capacity: 10 MB  
Processor type & speed: Intel i960JF @ 33 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: <10 Ks (LIFO)  
Throughput: 4.67 million pps (64-byte packets)  
Backplane speed: 3.2 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: 90% at 65°C (149°F),  
noncondensing

#### Electrical Characteristics

Heat dissipation/hour: 358 BTU/hr  
Maximum wattage: 105 W  
Voltage: 100–127 VAC 200–240 VAC  
Current: 2.0 A max 1.0 A max  
Frequency: 50–60 Hz

#### Communications

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

#### Safety

EN 60950/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: IEC 801-4; 1.0 kV (power line),  
0.5 kV (signal line)