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hp procurve switches 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 organisations looking for scalable, expandable, low-cost migration to 10/100 switching to the desktop with Gigabit uplinks. The 4000m and 8000m are a simple way to build high-availability networks. The 4000m includes 40 10/100-TX autosensing ports. The 8000m provides 10 open module slots.



hp procurve switch 4000m (J4121A)
with 40 autosensing 10/100-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 (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 18–21.

features and benefits

- **stacking capability:** single IP address management for a virtual stack of up to 16 switches including 1600m, 2400m, 2424m, 2512, 2524, 4000m, 8000m, and 4100gl series
- **RMON and extended RMON:** provides advanced monitoring and reporting capabilities for statistics, history, alarms, and events
- **port monitoring:** allows you to monitor traffic using a switched port so you can view several ports at one time with a network analyser
- **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 unauthorised access using MAC address lockdown
- **hp switch meshing:** dynamically load-balances across multiple active redundant links to increase available aggregate bandwidth
- **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)
- **802.3ad Link Aggregation Control Protocol (LACP) and hp trunking:** supports up to 10 trunks, each with up to 4 links (ports) per trunk; trunking across modules is supported
- **Cisco Fast EtherChannel®:** supports Cisco's proprietary FEC trunking protocol
- **automatic broadcast control (ABC):** minimises 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 nodes to switch ports

specifications

ports
Switch 4000m:
40 RJ-45 10/100-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: 17.4 x 13.2 x 7 in (44.2 x 33.5 x 17.8 cm)
Weight
– 4000m: 22.9 lb (10.4 kg)
– 8000m: 20.7 lb (9.4 kg)
memory and processor
Packet buffer size: 512 KB per port (10/100 ports); 4 MB per port (Gigabit ports)
RAM/ROM capacity: 16 MB
Processor type and 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: <10 µs (LIFO)
Throughput: 4.67 million pps (64-byte packets)
Backplane speed: 3.8 Gbps
Address table size: 10,000 entries
environment
Operating
– Temperature: 32°F to 131°F (0°C to 55°C)
– Relative humidity: 15% to 95% @ 104°F (40°C), noncondensing
Non-operating/storage
– Temperature: –40°F to 158°F (–40°C to 70°C)
– Relative humidity: 15% to 90% @ 149°F (65°C), noncondensing
Shock and Vibration: EN 60068 (IEC 68)

electrical characteristics
Heat dissipation/hour: 535 BTU/hr
Maximum wattage: 157 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 3rd edition; cUL (CSA 950); NOM-019-SCFI-1994
emissions
FCC Class A; EN 55022/CISPR-22 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)

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Some product specifications are subject to change. For up-to-date information please visit www.hp.com/go/hpprocurve

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