

hp procure switches 2324 and 2312

Low-cost, unmanaged 24- and 12- port switches with 10/100-TX autosensing per port and 2 open transceiver slots for Gigabit or 100Base-FX uplinks. The HP Procurve Switch 2324 and 2312 offer HP Auto-MDIX on all 10/100-TX and 100/1000-T uplink ports and are ideal for low-cost, unmanaged connectivity requiring high-speed uplinks.



hp procure switch 2324 (J4818A)
with 24 autosensing 10/100-TX ports and 2 open transceiver slots for Gigabit or 100Base-FX (shown with optional transceivers installed)



hp procure switch 2312 (J4817A)
with 12 autosensing 10/100-TX ports and 2 open transceiver slots for Gigabit or 100Base-FX (shown with optional transceiver installed)

accessories

HP Procurve Switch Gigabit stacking kit (J4116A)
HP Procurve Gigabit-SX transceiver (J4131B)
HP Procurve Gigabit-LX transceiver (J4132A)
HP Procurve 100/1000-T transceiver (J4834A)
HP Procurve 100-FX SC transceiver (J4853A)

features and benefits

- **9.6 Gbps switch fabric integrated on-chip:** high-performance switch design with a non-blocking architecture
- **hp auto-MDIX:** automatically adjusts for straight-through or crossover cables on all 10/100-TX and 100/1000-T ports
- **media-flexible uplink ports:** provides Gigabit or 100Base-FX ports for uplinks or server connections
- **10/100-TX autosensing per port:** automatically detects and sets the speed for any 10Base-T or 100-TX device
- **flow control:** ensures reliable communication during full-duplex operation
- **unmanaged:** provides plug-and-play simplicity
- **comprehensive LED display with per-port indicators:** provides an at-a-glance view of status, activity, speed, and full-duplex operation
- **half/full duplex auto-negotiating capability on every port:** double the throughput of every port
- **lifetime warranty:** for as long as you own the product, with next-business-day advance replacement (available in most countries)

specifications

ports

Switch 2324:
24 RJ-45 10/100Base-TX ports
(IEEE 802.3 Type 10Base-T; 802.3u Type 100Base-TX)

Switch 2312:
12 RJ-45 10/100Base-TX ports
(IEEE 802.3 Type 10Base-T; 802.3u Type 100Base-TX)

Both:
2 open transceiver slots
One RS-232C DB-9 download port

physical characteristics

Dimensions: 17.4 × 8.0 × 1.8 in (44.2 × 20.3 × 4.6 cm)
Weight: 6.0 lb (2.7 kg)

memory and processor

Packet buffer size: 6 MB shared packet buffers
RAM/ROM capacity: 26 MB
Processor type and speed: ARM7TDMI @ 62.5 MHz
Flash capacity: 2 MB

mounting

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

performance

Latency: <10 μs (IIFO)
Throughput: 6.6 million pps (64-byte packets)
Switch fabric speed: 9.6 Gbps
Address table size: 4,096 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: 90% @ 149°F (65°C), noncondensing
Shock and Vibration: HP759, HP760 (similar to EN 60068, IEC 68)

electrical characteristics

Heat dissipation/hour: 123 BTU/hr
Maximum wattage: 36 W
Voltage: 100–127 VAC/200–240 VAC
Current: 2.4 A max/1.2 A max
Frequency: 50/60 Hz

communications

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/CISPR22 Class A;
VCCI Class A

immunity

Generic: EN 50082-1
ESD: IEC/EN 61000-4-2; 4 kV CD, 8 kV AD
Radiated: IEC/EN 61000-4-3; 3 V/m
EFT/Burst: IEC/EN 61000-4-4; 1.0 kV (power line),
0.5 kV (signal line)