hp procurve switches 2524 and 2512

Low-cost, stackable, managed 24- and 12-port switches with 10/100-TX autosensing per port and 2 open transceiver slots for Gigabit or 100Base-FX. The HP Procurve Switch 2524 and 2512 offer HP Auto-MDIX on all 10/100-TX and 100/1000-T ports and high-availability features. The HP Procurve Switch 2524 and 2512 are ideal for low-cost migration to 10/100-TX managed switching with uplinks.

hp procurve switch 2524 (J4813A)
with 24 autosensing 10/100-TX ports and 2 open transceiver slots for Gigabit or 100Base-FX (shown with optional transceivers installed)

hp procurve switch 2512 (J4812A)
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
- **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 4100gl series
- **RMON and switch monitoring (SMON):** provides monitoring and reporting capabilities for statistics, history, alarms, and events
- **Web interface:** allows you to configure the switch from any Web browser on the network
- **802.3ad Link Aggregation Control Protocol (LACP) and hp trunking:** supports a single trunk with up to 4 links (ports)
- **VLAN support and tagging:** supports up to 30 port-based VLANs and dynamic configuration of 802.1Q VLAN tagging, providing security between workgroups
- **Group VLAN Registration Protocol (GVRP):** allows automatic learning and dynamic assignment of VLANs
- **IP multicast (IGMP):** prevents flooding of IP multicast traffic
- **port security:** prevents unauthorized access using MAC address lockdown
- **Spanning Tree Protocol:** provides redundant links while preventing network loops
- **IEEE 802.1p prioritization:** delivers data to devices based on the priority and type of traffic
- **TACACS+:** eases administration of switch management security by using a password authentication server
- **Cisco Fast EtherChannel®:** supports Cisco's proprietary FEC trunking protocol
- **Rapid Convergence Spanning Tree Protocol (802.1w):** increases network uptime through faster recovery from failed links
- **802.1x and RADIUS network login:** controls port-based access for authentication and accountability
- **Cisco Discovery Protocol (CDP):** enables real-time mapping of nodes to switch ports
- **lifetime warranty:** for as long as you own the product, with next-business-day advance replacement (available in most countries)

specifications

ports
Switch 2524:
24 RJ-45 10/100-TX ports
(IEEE 802.3 Type 10Base-T; 802.3u Type 100Base-TX)
Switch 2512:
12 RJ-45 10/100-TX ports
(IEEE 802.3 Type 10Base-T; 802.3u Type 100Base-TX)
Both:
2 open transceiver slots
One RS-232C DB-9 console 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)

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
RFC 2674 802.1Q Bridge MIB
performance
Latency: <10 μs (LIFO)
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 802.1p Priority; IEEE 802.1D Spanning Tree; IEEE 802.1Q VLANs; IEEE 802.3x Flow Control; IEEE 802.3ad Link Aggregation
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/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)

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