Overview

HP ProCurve Switch 2324

HP ProCurve Switch 2312

Models

HP ProCurve Switch 2324	J4818A
HP ProCurve Switch 2312	J4817A

Key features

- Unmanaged plug-and-play operation
- 12 or 24 10/100 ports
- Two Gigabit copper or fiber transceiver slots
- Rack mountable with included hardware
- Industry-leading warranty

Introduction

The HP ProCurve Switch 2300 Series consists of unmanaged 24- and 12-port switches with 10/100 auto-sensing per port and two open transceiver slots for Gigabit or 100Base-FX uplinks. The HP ProCurve Switch 2324 and Switch 2312 offer ProCurve Auto-MDIX on all 10/100 ports.

Features and Benefits

Industry-leading warranty*

Connectivity

- **10/100 auto-sensing per port**: automatically detects and sets the speed for any 10Base-T or 100Base-TX device
- **Media-flexible uplink ports**: provides Gigabit or 100Base-FX ports for uplinks or server connections
- **ProCurve Auto-MDIX**: automatically adjusts for straight-through or crossover cables on all 10/100 ports

Performance

- **9.6 Gbps switch fabric integrated on chip**: high-performance switch design with a non-blocking architecture
- **Half-/Full-duplex auto-negotiating capability on every port**: doubles the throughput of every port

Ease of use

- **Unmanaged**: provides plug-and-play simplicity

Overview

- **Flow control**: helps ensure reliable communications during full-duplex operation
- **Comprehensive LED display with per-port indicators**: provides an at-a-glance view of status, activity, speed, and full-duplex operation

Warranty and support

- **ProCurve Lifetime Warranty**: for as long as you own the product, with next-business-day advance replacement (available in most countries).
- **Electronic and telephone support**: limited electronic and telephone support is available from HP. Refer to the HP Web site at www.procurve.com/support for details on the support provided and the period during which support is available.
- **Software releases**: refer to the HP Web site at www.procurve.com/support for details on the software releases provided and the period during which software releases are available.

* For as long as you own the product, with next-business-day advance replacement (available in most countries). The following hardware products and their related series modules have a one-year hardware warranty with extensions available: HP ProCurve Routing Switch 9300m Series, HP ProCurve Switch 8100fl Series, HP ProCurve Network Access Controller 800, and HP ProCurve DCM Controller. The following hardware mobility products have a one-year hardware warranty with extensions available: HP ProCurve M111 Client Bridge, HP ProCurve MSM3xx-R Access Points, HP ProCurve MSM7xx Mobility and Access Controllers, HP ProCurve RF Manager IDS/IPS Systems, HP ProCurve MSM Power Supplies, HP ProCurve 1-Port Power Injector, and HP ProCurve CNMS Appliances. Disk drives in the HP ProCurve ONE Services zl Modules have a five year hardware warranty. Standalone software, upgrades, or licenses may have a different warranty duration. For details, refer to the ProCurve Software License, Warranty, and Support booklet at www.procurve.com/warranty.

Accessories

HP ProCurve 100-FX SC Transceiver	J4853A
HP ProCurve 100/1000-T Transceiver	J4834A
HP ProCurve Gigabit-LX Transceiver	J4132A
HP ProCurve Gigabit-SX Transceiver	J4131B
HP ProCurve Switch Gigabit Stacking Kit	J4116A

Services

ProCurve Switch 2324	3-year, 4-hour onsite, 13x5 coverage for hardware	H5484E
	3-year, 4-hour onsite, 24x7 coverage for hardware	U6300E
	3-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone support	U6299E
	Installation with minimum configuration, system-based pricing	U4826E
	Installation with HP-provided configuration, system-based pricing	U4830E
ProCurve Switch 2312	3-year, 4-hour onsite, 13x5 coverage for hardware	H5484E
	3-year, 4-hour onsite, 24x7 coverage for hardware	U6300E
	3-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone support	U6299E
	Installation with minimum configuration, system-based pricing	U4826E
	Installation with HP-provided configuration, system-based pricing	U4830E

QuickSpecs

Technical Specifications

		ProCurve Switch 2324 (J4818A)	ProCurve Switch 2312 (J4817A)
Ports		24 auto-sensing 10/100 ports (IEEE 802.3 Type 10Base-T, IEEE 802.3u Type 100Base-TX); Media Type: Auto-MDIX; Duplex: half or full	12 auto-sensing 10/100 ports (IEEE 802.3 Type 10Base-T, IEEE 802.3u Type100Base-TX); Media Type: Auto-MDIX; Duplex: half or full
		2 open transceiver slots	2 open transceiver slots
		1 RS-232C DB-9 console port	1 RS-232C DB-9 console port
Dimensions		8.0(d) x 17.4(w) x 1.75(h) in. (20.32 x 44.2 x 4.45 cm) (1U height)	8.0(d) x 17.4(w) x 1.75(h) in. (20.32 x 44.2 x 4.45 cm) (1U height)
Weight		6.0 lb. (2.72 kg), Fully loaded	6 lb. (2.72 kg), Fully loaded
Memory and Processor	Processor	ARM7TDMI @ 62.5 MHz, 2 MB flash, 26 MB RAM/ROM capacity; packet buffer size: 6 MB	ARM7TDMI @ 62.5 MHz, 2 MB flash, 26 MB RAM/ROM capacity; packet buffer size: 6 MB
Mounting		Mounts in a standard 19 in. rack (hardware included)	Mounts in a standard 19 in. rack (hardware included)
Performance	Latency	<10 μs (LIFO)	<10 μs (LIFO)
	Throughput	6.6 million pps	4.8 million pps
	Switching capacity	9.6 Gbps	9.6 Gbps
	MAC address table size	4,096 entries	4,096 entries
Environment	Operating temperature	32° to 131° F (0° to 55° C)	32° to 131° F (0° to 55° C)
	Operating relative humidity	15% to 95% @ 104° F (40° C), non-condensing	15% to 95% @ 104° F (40° C), non-condensing
	Non-operating/ Storage temperature	–40° to 158° F (–40° to 70° C)	–40° to 158° F (–40° to 70° C)
	Non-operating/ Storage relative humidity	15% to 90% @ 149° F (65° C), non-condensing	15% to 90% @ 149° F (65° C), non-condensing
	Shock and vibration	HP759, HP760 (similar to EN 60068, IEC 68)	HP759, HP760 (similar to EN 60068, IEC 68)
Electrical characteristics	Maximum heat dissipation	123 BTU/hr (130 kJ/hr)	123 BTU/hr (130 kJ/hr)
	Voltage	100–127 VAC/200–240 VAC	100–127 VAC/200–240 VAC
	Current	2.4 A/1.2 A	2.4 A/1.2 A
	Power consumption	36 W	36 W
	Frequency	50/60 Hz	50/60 Hz
	Notes	Maximum power rating and maximum heat dissipation are the worst-case theoretical maximum numbers provided for planning the infrastructure with fully loaded PoE (if equipped), 100% traffic, all ports plugged in, and all modules populated.	Maximum power rating and maximum heat dissipation are the worst-case theoretical maximum numbers provided for planning the infrastructure with fully loaded PoE (if equipped), 100% traffic, all ports plugged in, and all modules populated.

Technical Specifications

Safety		cUL (CSA 950); EN 60950/IEC 60950; NOM-019-SCFI-1994; UL 1950 3rd edition	cUL (CSA 950); EN 60950/IEC 60950; NOM-019-SCFI-1994; UL 1950 3rd edition
Emissions		FCC Class A; VCCI Class A; EN 55022/CISPR 22 Class A	FCC Class A; VCCI Class A; EN 55022/CISPR 22 Class A
Immunity	Generic	EN 55024, CISPR 24	EN55024, CISPR 24
	ESD	IEC 61000-4-2; 4 kV CD, 8 kV AD	IEC 61000-4-2; 4 kV CD, 8 kV AD
	Radiated	IEC 61000-4-3; 3 V/m	IEC 61000-4-3; 3 V/m
	EFT/Burst	IEC 61000-4-4; 1.0 kV (power line), 0.5 kV (signal line)	IEC 61000-4-4; 1.0 kV (power line), 0.5 kV (signal line)
Standards and protocols	General Protocols	IEEE 802.3X Flow Control	IEEE 802.3X Flow Control

To learn more, visit www.hp.com/go/procurve