

Overview

HPE OfficeConnect 1920 Series switches are advanced Gigabit web managed "smart" switches supporting Layer 3 static routing, Access Control Lists, 802.1X network login. This JG924A has 24 x 10/100/1000 ports plus four additional (non combo) Gigabit SFP ports for fiber connectivity. Notable additional features include three levels of Spanning Tree Protocol STP, RSTP, MSTP IPv4/IPv6 management and routing, STP root guard, and ARP and DOS attack protection. Part of the OfficeConnect portfolio of small business networking products from Hewlett Packard Enterprise.

Quick Spec

Figure 1 shows the appearance of HPE JG924A.

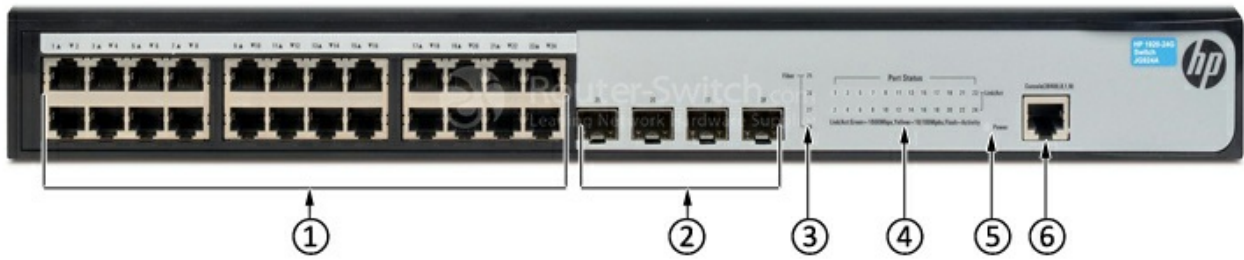


Table 1 shows the quick spec.

Product Code	JG924A
Type	HPE 1920-24G Switch
Ports	<ul style="list-style-type: none"> · 24 RJ-45 auto-negotiating 10/100/1000 ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T) · 4 SFP 1000 Mb/s ports · Supports a maximum of 24 autosensing 10/100/1000 ports plus 4 1000BASE-X SFP ports, or a combination
Throughput	41.7 Mp/s (64-byte packets)
Routing/switching capacity	56 Gb/s
Dimensions (W x D x H)	44 x 17.3 x 4.4 cm (17.32 x 6.81 x 1.73 in) (1U height)
Weight	2.25 kg (4.96 lb)

Product Details

Figure 2 shows the front panel of HPE JG924A.



Note:

(1)	24 × RJ-45 auto-negotiating 10/100/1000 ports
(2)	4 × SFP 1000 Mb/s ports
(3)	Fiber port LEDs
(4)	Copper port LEDs
(5)	Power LED
(6)	Console port

Figure 3 shows the back panel of HPE JG924A.



Note:

(1)	Grounding screw
(2)	AC power connector

Compare to Similar Items

Table 2 shows the comparison.

Product Code	JG924A	JG925A	JG926A	JG927A	JG928A
Type	HPE 1920-24G Switch	HPE 1920-24G-PoE+ (180W) Switch	HPE 1920-24G-PoE+ (370W) Switch	HPE 1920-48G Switch	HPE 1920 48G PoE+ (370W) Switch
PoE power	N/A	180W	370W	N/A	370W

Throughput	41.7 Mp/s (64-byte packets)	41.7 Mp/s (64-byte packets)	41.7 Mp/s (64-byte packets)	77.4 Mp/s (64-byte packets)	77.4 Mpps (64-byte packets)
Routing/Switching capacity	56 Gb/s	56 Gb/s	56 Gb/s	104 Gb/s	104 Gbps

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Specification

JG924A Specifications	
Type	HPE 1920-24G Switch
Physical specifications	
Dimensions	44 x 17.3 x 4.4 cm (17.32 x 6.81 x 1.73 in) (1U height)
Weight	2.25 kg (4.96 lb)
Technical specifications	
I/O ports and slots	<ul style="list-style-type: none"> · 24 RJ-45 auto-negotiating 10/100/1000 ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T) · 4 SFP 1000 Mb/s ports · Supports a maximum of 24 autosensing 10/100/1000 ports plus 4 1000BASE-X SFP ports, or a combination
Additional ports and slots	1 RJ-45 console port to access limited CLI port
Memory and processor	MIPS @ 500 MHz, 32MB flash, 128MB SDRAM; packet buffer size: 4.1Mb
Mounting and enclosure	Mounts in an EIA standard 19-inch telco rack or equipment cabinet (hardware included)
Performance	100Mb latency: < 5 μ s 1000Mb latency: < 5 μ s Throughput: 41.7 Mp/s (64-byte packets) Routing/switching capacity: 56 Gb/s Routing table size: 32 entries (IPv4), 32 entries (IPv6) MAC address table size: 8192 entries
Reliability	MTBF (years) : 120.48
Environmental specifications	
Operating temperature	0° to 40°C (32° to 104°F)
Operating relative humidity	10% to 90%, noncondensing
Nonoperating/storage temperature	-40° to 70°C (-40° to 158°F)
Nonoperating/storage relative humidity	10% to 95%, noncondensing
Altitude	Up to 5 km (16,404 ft)
Acoustic	No Fan

Electrical specifications	
Frequency	50/60 Hz
AC voltage	100 - 240 V ac
Maximum power rating	19 W
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.
Safety certifications	
Safety	UL 60950; IEC 60950-1; EN 60950-1; CAN/CSA-C22.2 No. 60950-1-03
Emissions	FCC part 15 Class A; VCCI Class A; EN 55022 Class A; CISPR 22 Class A; EN 55024; EN 61000-3-2 2000, 61000-3-3; ICES-003 Class A
Management	IMC - Intelligent Management Center; limited command-line interface; Web browser; SNMP Manager; IEEE 802.3 Ethernet MIB
Notes	SFP port and copper ports work simultaneously, independent of each other, to provide a total of 10 Gigabit switching ports.

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