JG926A Datasheet

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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 JG926A has 24 x 10/100/1000 PoE+ enabled 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.

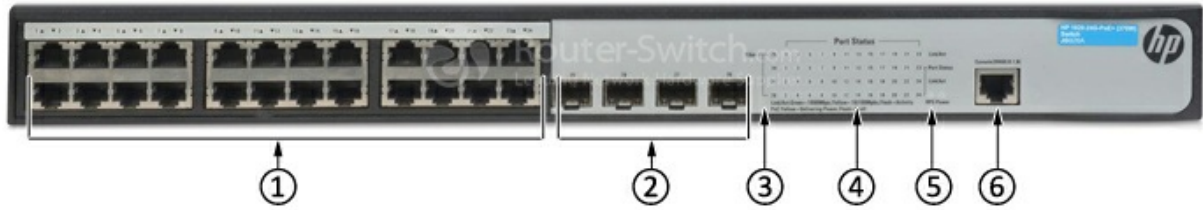### Quick Spec

Figure 1 shows the appearance of HPE JG926A.

Table 1 shows the quick spec.

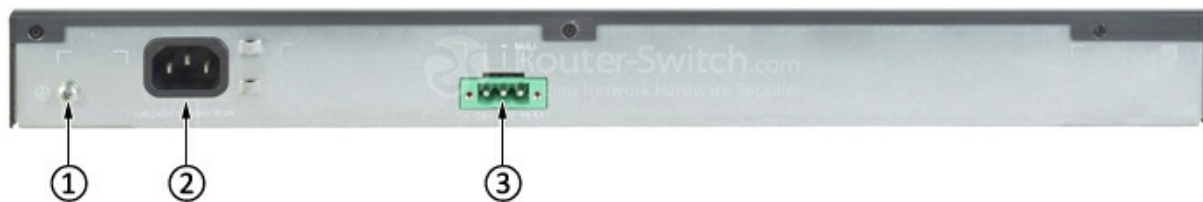| Product Code	JG926A
Type	HPE 1920-24G-PoE+ (370W) Switch
PoE Power	370W
Ports	· 24 RJ-45 auto-negotiating 10/100/1000 PoE+ ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T, IEEE 802.3af PoE, IEEE 802.3at) · 4 SFP 1000 Mb/s ports · Supports a maximum of 24 autosensing 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 26 x 4.4 cm (17.32 x 10.24 x 1.73 in) (1U height)
Weight	7.5 lb (3.4 kg)

Product Details

Figure 2 shows the front panel of HPE JG926A.

Note:

(1)	24 × RJ-45 auto-negotiating 10/100/1000 PoE+ 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 JG926A.

Note:

(1)	Grounding screw
(2)	AC power connector
(3)	DC power receptacle

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

JG926A Specifications	
Type	HPE 1920-24G-PoE+ (370W) Switch
Physical specifications	
Dimensions	44 x 26 x 4.4 cm (17.32 x 10.24 x 1.73 in) (1U height)
Weight	7.5 lb (3.4 kg)
Technical specifications	
I/O ports and slots	· 24 RJ-45 auto-negotiating 10/100/1000 PoE+ ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T, IEEE 802.3af PoE, IEEE 802.3at) · 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 µs 1000Mb latency: < 5 µs 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) : 65.78
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	Low-speed fan: 44.9 dB, High-speed fan: 53.3 dB; ISO 7779
Electrical specifications	
Frequency	50/60 Hz
AC voltage	100 - 240 V ac
Maximum power rating	474 W
PoE power	370 W PoE+
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. PoE power is the power supplied by the internal power supply. It is dependent on the type and quantity of power supplies and may be supplemented with the use of an external power supply (EPS). When supplemented with the use of an HPE RPS1600 Redundant Power System, up to 795 W of PoE+ can be supplied. Unit max. power consumption with RPS is 833 W.
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 ports and copper ports can work simultaneously, independent of each other, to provide a total of 28 Gigabit switching ports.

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