JG921A 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 JG921A has 8 x 10/100/1000 PoE+ enabled ports plus two 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
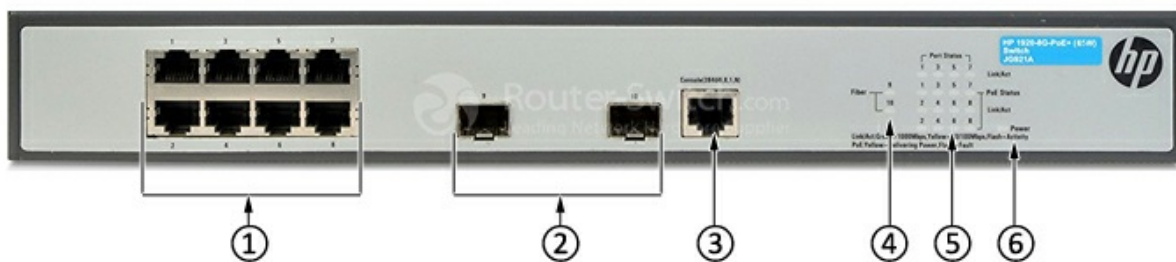
Figure 1 shows the appearance of HPE JG921A.

Table 1 shows the quick spec.

Product Code	JG921A
Type	HPE 1920-8G-PoE+ (65W) Switch
PoE power	65 W PoE+
Ports	· 8 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) · 2 SFP 1000 Mb/s ports · Supports a maximum of 8 autosensing 10/100/1000 ports plus 2 1000BASE-X SFP ports, or a combination
Throughput	14.8 Mp/s (64-byte packets)
Routing/switching capacity	20 Gb/s
Dimensions (W x D x H)	33 x 23 x 4.4 cm (12.99 x 9.06 x 1.73 in) (1U height)
Weight	2.95 kg (6.5 lb)

Product Details

Figure 2 shows the front panel of HPE JG921A.

Note:

(1)	8 × RJ-45 auto-negotiating 10/100/1000 PoE+ ports
(2)	2 × SFP 1000 Mb/s ports
(3)	Console port
(4)	Fiber port LEDs
(5)	Copper port LEDs
(6)	Power LED

Figure 3 shows the back panel of HPE JG921A.

Note:

(1)	Grounding screw
(2)	AC power connector

Compare to Similar Items

Table 2 shows the comparison.

Product Code	JG920A	JG921A	JG922A	JG923A
Type	HPE 1920-8G Switch	HPE 1920-8G-PoE+ (65W) Switch	HPE 1920-8G-PoE+ (180W) Switch	HPE 1920-16G Switch
PoE power	N/A	65W	180W	N/A

Throughput	14.8 Mp/s (64-byte packets)	14.8 Mp/s (64-byte packets)	14.8 Mp/s (64-byte packets)	29.8 Mp/s (64-byte packets)
Routing/Switching capacity	20 Gb/s	20 Gb/s	20 Gb/s	40 Gb/s

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Specification

JG921A Specifications	
Type	HPE 1920-8G-PoE+ (65W) Switch
Physical specifications	
Dimensions	33 x 23 x 4.4 cm (12.99 x 9.06 x 1.73 in) (1U height)
Weight	2.95 kg (6.5 lb)
Technical specifications	
I/O ports and slots	· 8 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) · 2 SFP 1000 Mb/s ports · Supports a maximum of 8 autosensing 10/100/1000 ports plus 2 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: 14.8 Mp/s (64-byte packets) Routing/switching capacity: 20 Gb/s Routing table size: 32 entries (IPv4), 32 entries (IPv6) MAC address table size: 8192 entries
Reliability	MTBF (years) : 76.33
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	Pressure: 0 dB No Fan
Electrical specifications	

Frequency	50/60 Hz
AC voltage	100 - 240 V ac
Maximum power rating	94 W
PoE power	65 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.
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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