

## Overview

HPE OfficeConnect 1950 Series switches are HPE's most advanced high performance web managed "smart" switches with Gigabit ports and 10 Gigabit uplinks. This JG961A has 48 x 10/100/1000 ports plus two 10GBASE T copper ports and two SFP+ ports for SFP+/SFP fiber connections. Key features include true stacking, Layer 3 static routing, Access Control Lists and 802.1X network login. 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 JG961A.

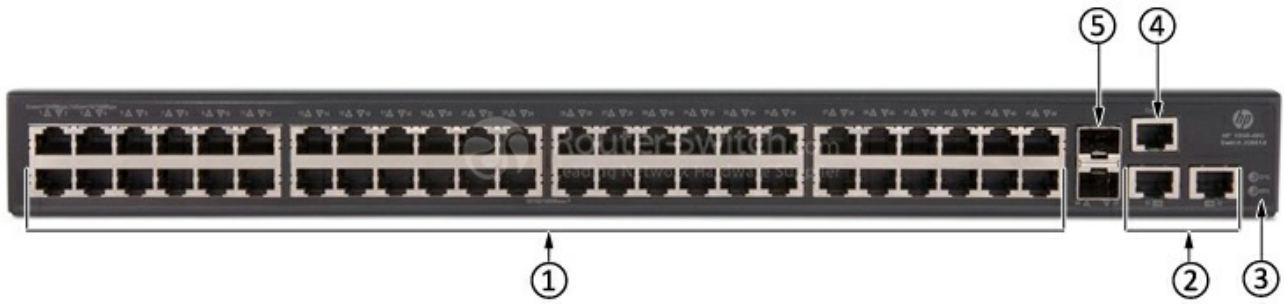


Table 1 shows the quick spec.

<b>Product Code</b>	JG961A
<b>Type</b>	HPE OfficeConnect 1950 48G 2SFP+ 2XGT Switch
<b>Ports</b>	<ul style="list-style-type: none"> <li>· 48 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)</li> <li>· 2 SFP+ fixed 1000/10000 SFP+ ports</li> <li>· 2 RJ-45 1/10GBASE-T ports</li> </ul>
<b>Throughput</b>	up to 130.9 Mpps (64-byte packets)
<b>Routing/Switching capacity</b>	176 Gbps
<b>Dimensions (W x D x H)</b>	4.4 x 44 x 27 cm (1.73 x 17.32 x 10.63 in) (1U height)
<b>Weight</b>	5 kg (11.02 lb)

### Product Details

Figure 2 shows the front panel of HPE JG961A.



Note:

(1)	48 × 10/100/1000Base-T auto-sensing Ethernet port
(2)	2 × 1/10GBase-T Ethernet port LED
(3)	System status LED (SYS) and RPS status LED (RPS)
(4)	Console port
(5)	2 × SFP+ port

Figure 3 shows the back panel of HPE JG961A.



Note:

(1)	AC power connector
(2)	Grounding screw

## Compare to Similar Items

Table 2 shows the comparison.

Product Code	JG960A	JG961A	JG962A	JG963A
Type	HPE OfficeConnect 1950 24G 2SFP+ 2XGT Switch	HPE OfficeConnect 1950 48G 2SFP+ 2XGT Switch	HPE OfficeConnect 1950 24G 2SFP+ 2XGT PoE+(370W) Switch	HPE OfficeConnect 1950 48G 2SFP+ 2XGT PoE+(370W) Switch
PoE power	N/A	N/A	370 W PoE+2	370 W PoE+2
Throughput	up to 95.2 Mpps (64-byte packets)	up to 130.9 Mpps (64-byte packets)	up to 95.2 Mpps (64-byte packets)	up to 130.9 Mpps (64-byte packets)

<b>Routing/Switching capacity</b>	128 Gbps	176 Gbps	128 Gbps	176 Gbps
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## Get more information

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## Specification

JG961A Specifications	
<b>Type</b>	HPE OfficeConnect 1950 48G 2SFP+ 2XGT Switch
<b>I/O ports and slots</b>	<ul style="list-style-type: none"> <li>· 48 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)</li> <li>· 2 SFP+ fixed 1000/10000 SFP+ ports</li> <li>· 2 RJ-45 1/10GBASE-T ports</li> </ul>
<b>Additional ports and slots</b>	1 RJ-45 console port to access limited CLI port
<b>Memory and processor</b>	128 MB flash Packet buffer size: 3 MB 1 GB SDRAM
<b>Mounting and enclosure</b>	Mounts in an EIA standard 19-inch telco rack or equipment cabinet (hardware included)
<b>Management</b>	IMC - Intelligent Management Center Limited command-line interface Web browser SNMP Manager HTTPS RMON1 FTP Supported by HPE IMC and generic SNMP management platforms. Refer to documentation for MIB support details.
<b>Dimensions (H x W x D)</b>	4.4 x 44 x 27 cm (1.73 x 17.32 x 10.63 in) (1U height)
<b>Weight</b>	5 kg (11.02 lb)
<b>100 Mb Latency</b>	< 5 µs
<b>1000 Mb Latency</b>	< 5 µs
<b>10 Gbps Latency</b>	< 1.5 µs
<b>Throughput</b>	up to 130.9 Mpps (64-byte packets)
<b>Routing/Switching capacity</b>	176 Gbps
<b>Routing table size</b>	32 entries (IPv4), 32 entries (IPv6)
<b>MAC address table size</b>	16384 entries
<b>Frequency</b>	50/60 Hz
<b>Voltage</b>	100 - 240 V ac, rated
<b>Maximum power rating</b>	54 W1

<b>PoE power</b>	N/A
<b>Operating temperature</b>	0°C to 45°C (32°F to 113°F)
<b>Operating relative humidity</b>	10% to 90%, noncondensing
<b>Nonoperating/Storage temperature</b>	-40°C to 70°C (-40°F to 158°F)
<b>Nonoperating/Storage relative humidity</b>	5% to 95%, noncondensing
<b>Altitude</b>	up to 5 km (16,404 ft)
<b>Acoustic</b>	Low-speed fan: 38.4 dB, High-speed fan: 47.0 dB; ISO 7779 Dual speed fan
<b>Safety</b>	UL 60950; IEC 60950-1; EN 60950-1; GB 4943.1
<b>Emissions</b>	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
<b>Device management</b>	RFC 2819 RMON
<b>General protocols</b>	IEEE 802.1D MAC Bridges IEEE 802.1D Spanning Tree Protocol IEEE 802.1p Priority IEEE 802.1Q VLANs IEEE 802.1s Multiple Spanning Trees IEEE 802.1W Rapid Spanning Tree Protocol IEEE 802.1X IEEE 802.3 Type 10BASE-T IEEE 802.3ab 1000BASE-T IEEE 802.3ad Link Aggregation Control Protocol (LACP) IEEE 802.3af Power over Ethernet IEEE 802.3at PoE+ IEEE 802.3i 10BASE-T IEEE 802.3x Flow Control IEEE 802.3z 1000BASE-X
<b>MIBs</b>	RFC 1213 MIB II RFC 1493 Bridge MIB RFC 2021 RMONv2 MIB RFC 2233 Interface MIB RFC 2233 Interfaces MIB RFC 2571 SNMP Framework MIB RFC 2572 SNMP-MPD MIB RFC 2573 SNMP-Notification MIB RFC 2573 SNMP-Target MIB RFC 2613 SMON MIB RFC 2618 RADIUS Client MIB RFC 2620 RADIUS Accounting MIB RFC 2665 Ethernet-Like-MIB RFC 2667 IP Tunnel MIB RFC 2668 802.3 MAU MIB RFC 2674 802.1p and IEEE 802.1Q Bridge MIB RFC 2737 Entity MIB (Version 2) RFC 3414 SNMP-User based-SM MIB RFC 3415 SNMP-View based-ACM MIB RFC 3418 MIB for SNMPv3
<b>Network management</b>	IEEE 802.1AB Link Layer Discovery Protocol (LLDP) IEEE 802.1D (STP) RFC 1215 SNMP Generic traps
<b>QoS/Cos</b>	IEEE 802.1p (CoS)
<b>Security</b>	IEEE 802.1X Port Based Network Access Control

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