RETIRED: This document has been officially retired, and the base products listed herein are now considered obsolete and are no longer available for sale. Consequently, the information contained within may no longer be current. This document is provided exclusively for reference and informational purposes.

Overview

HPE OfficeConnect 1920S Switch Series



Models

HPE OfficeConnect 1920S 8G Switch	JL380A
HPE OfficeConnect 1920S 24G 2SFP Switch	JL381A
HPE OfficeConnect 1920S 48G 4SFP Switch	JL382A
HPE OfficeConnect 1920S 8G PPoE+ 65W Switch	JL383A
HPE OfficeConnect 1920S 24G 2SFP PPoE+ 185W Switch	JL384A
HPE OfficeConnect 1920S 24G 2SFP PoE+ 370W Switch	JL385A
HPE OfficeConnect 1920S 48G 4SFP PPoE+ 370W Switch	JL386A

Key features

- Customized operation using intuitive Web interface
- Layer 3 static routing with 32 routes for network segmentation and expansion
- Access control lists for granular security control
- Spanning Tree Protocol: STP, RSTP, and MSTP
- 8-, 24- and 48-port non-PoE+ models are fanless for quiet operation

Overview

- HPE Limited Lifetime warranty

Product overview

The HPE OfficeConnect 1920S Switch Series consists of advanced smart-managed fixed-configuration Gigabit switches designed for small businesses in an easy-to-administer solution.

The series consists of seven switches including 8- 24- and 48-port Gigabit Ethernet switches and 8-, 24- and 48-port PoE+ models of which half the ports are POE+ capable. An additional 24-port PoE+ model is available that provides PoE+ on all 24-ports. All ports provide non-blocking Gigabit per performance. Some models include SFP ports for fiber connectivity and the 8-, 24- and 48-port non PoE+ models are fanless, making them ideal for office deployments. All HPE OfficeConnect 1920S Switches support flexible installation options, including mounting on wall, under table, or on desktop. The 8-port Gigabit Ethernet model can be powered by an upstream Power over Ethernet switch for environments where no lline power is available.

The series is part of the OfficeConnect portfolio of Hewlett Packard Enterprise small business networking products. These switches provide a great value, and includes features to satisfy even the most advanced small business networks. Customizable features include basic Layer 2 features like VLANs and link aggregation, as well as advanced features such as Layer 3 static routing, IPv4 and IPv6 Host mode, ACLs, and Spanning Tree Protocols. HPE OfficeConnect 1920S Switch Series includes a Limited Lifetime Warranty.

Features and benefits

Management

- **Simple Web management**
  Allows for easy management of the switch—even by nontechnical users—through an intuitive Web GUI; supports HTTP and HTTP Secure (HTTPS)
- **SNMPv1, v2c, and v3**
  Facilitate management of the switch, as the device can be discovered and monitored from an SNMP management station
- **Complete session logging**
  Provides detailed information for problem identification and resolution
- **Port mirroring**
  Enables traffic on a port or VLAN to be simultaneously sent to a network analyzer for monitoring
- **Dual flash images**
  Provide independent primary and secondary operating system files for backup while upgrading
- **Network Time Protocol (NTP)**
  Synchronizes timekeeping among distributed time servers; keeps timekeeping consistent among all clock-dependent devices within the network so that the devices can provide diverse applications based on the consistent time
- **Manual network time configuration**
  Manually set the date and time on the switch in the absence of an NTP server
- **Default DHCP client mode**
  Allows the switch to be directly connected to a network, enabling plug-and-play operation; in absence of a DHCP server on the network, the switch falls back to the static address 192.168.1.1
- **FTP and TFTP**
  Provides different mechanisms for configuration updates; FTP allows bidirectional transfers over a TCP/IP network; trivial FTP (TFTP) is a simpler method using user Datagram Protocol (UDP)
- **Remote monitoring (RMON)**
  Remote monitoring (RMON) provides advanced monitoring and reporting capabilities for statistics, history, alarms and events. RMON data is retrieved from the switch through a network management platform over SNMP.

Quality of Service (QoS)

Overview

- **Traffic prioritization**
  Provides time-sensitive packets (like VoIP and video) with priority over other traffic based on DSCP or IEEE 802.1p classification; packets are mapped to six hardware queues for more effective throughput
- **IEEE 802.1p/Q VLAN tagging**
  Delivers data to devices based on the priority and type of traffic; supports IEEE 802.1Q
- **Advanced classifier based QoS**
  Classifies traffic using multiple match criteria based on Layer 2, 3, and 4 information.
- **Packet storm protection**
  Protects against unknown unicast, broadcast and multicast storms with user-defined thresholds
- **Rate limiting**
  Sets per-port ingress enforced maximums or percent minimum bandwidth per queue
- **Class of Service (CoS)**
  Sets the IEEE 802.1p priority tag based on IP address, IP Type of Service (ToS), Layer 3 protocol, TCP/UDP port number or source port
- **Powerful QoS feature**
  Supports the following congestion actions: strict priority queuing (SP) or weighted round robin (WRR) queuing. SP and WRR queuing can be configured on individual switch ports.

Connectivity

- **IPv6 host**
  Enables switches to be managed and deployed at the IPv6 network's edge
- **IEEE 802.3X Flow Control**
  Provides a flow throttling mechanism propagated through the network to prevent packet loss at a congested node
- **IEEE 802.3at Power over Ethernet (PoE+)**
  Provides up to 30 W per port, which allows support of the latest PoE+ capable devices such as Video IP phones, wireless access points, and advanced pan/tilt/zoom security cameras, as well as any 15.4 W IEEE 802.3af-compliant end device; mitigates the cost of additional electrical cabling and circuits that would otherwise be necessary in IP phone and WLAN deployments
- **PoE+ port availability**
  Ports 1–4 are PoE/PoE+ capable on the HPE OfficeConnect 1920S 8G PPoE+ 65W switch; ports 1–12 are PoE/PoE+ capable on the HPE OfficeConnect 1920S 24G 2SFP PPoE+ 185W switch; all ports provide PoE/PoE+ on the HPE OfficeConnect 1920S 24G 2SFP PoE+ 370W switch; ports 1–24 are PoE/PoE+ capable on the HPE OfficeConnect 1920S 48G 4SFP PPoE+ 370W switch
- **Auto-PoE power configuration**
  The switch automatically assigns the required power to a port for a PD device based on Link Layer Discovery Protocol (LLDP). Optionally, the switch permits manual, per port, PoE power configuration
- **PoE shut down mode**
  A PoE scheduler provides the ability to define the hours of PoE power being supplied to a group of switch ports based on a 24-hour day. The scheduler enables the flexibility to select individual days of a week as well as reoccurrence on a weekly basis with a start and end date.
- **PoE power allocation**
  Support multiple methods (automatic, IEEE 802.3af class, LLDP-MED, or user-specified) to allocate PoE power for more efficient energy savings
- **SPF ports for fiber connectivity**
  Provides fiber connections for uplinks and other connections across longer distances than copper cabling can support; SFP ports are in addition to available copper Ethernet ports, providing a higher total number of available ports. Two SFP ports available on 24 and four SFP ports on 48 port models
- **Loop protection**
  If the switch detects a loop, it disables the source port from forwarding data packets originating from the switch to avoid broadcast storms
- **Auto MDI/MDI-X**
  Adjusts automatically for straight-through or crossover cables on all 10/100/1000 ports

Overview

- **Energy Efficient Ethernet (EEE)**
  Compliant with IEEE 802.3az standard requirements to save energy during periods of low data activity
- **Auto-port shut down**
  The switch saves power by automatically shutting down power to inactive ports. Power is restored on a port upon link detection
- **Energy savings status**
  The switch provides an estimated cumulative energy savings due to green Ethernet features being enabled
- **Energy-efficient cooling**
  Includes variable speed fans operating only at the speed necessary to maintain operating temperature to reduce excess noise and power consumption by the switch

Security

- **Access Control Lists (ACLs)**
  Enables network traffic filtering by creating an ACL, add rules and match criteria to an ACL, and apply the ACL to permit or deny on one or more interfaces or a VLAN. Up to 50 inbound entries may be configured based on IPv4 source and destination IP and MAC address, Layer 4 ports and protocol type of the IPv4 packet.
- **RADIUS**
  The switch support RADIUS authentication and configuration of up to 8 RADIUS servers
- **RADIUS Accounting**
  A robust set of attributes and statistics are available for collecting information from the switch
- **IEEE 802.1X access control**
  Authentication of network users on a per port basis prior to permitting network access. Port VLAN includes RADIUS VLAN assignment, dynamic VLAN creation, guest VLAN or into an unauthenticated VLAN.
- **Switch 802.1X supplicant**
  Enables the switch to authenticate itself to a RADIUS server
- **Port isolation**
  Ports in a port isolation group are restricted from forwarding Layer 2 traffic between ports in that group; provides data privacy and security
- **Automatic denial-of-service protection**
  Monitors for malicious attacks and protects the network by blocking the attacks
- **Management password**
  Provides security so that only authorized access to the Web browser interface is allowed
- **Secure Sockets Layer (SSL)**
  Encrypts all HTTP traffic, secure access to the browser-based management of the switch

Performance

- **Half-and full-duplex auto-negotiating capability on every port**
  doubles the throughput of every port
- **Selectable queue configurations**
  Allows for increased performance by selecting the number of queues and associated memory buffering that best meet the requirements of the network applications
- **IGMP snooping**
  Improves network performance through multicast filtering, instead of flooding traffic on all ports
- **SFP fiber uplinks**
  Provides greater distance connectivity using Gigabit fiber uplinks

Layer 2 switching

- **Spanning Tree Protocol (STP)**
  Supports standard IEEE 802.1D STP, IEEE 802.1w Rapid Spanning Tree Protocol (RSTP) for faster convergence, and IEEE 802.1s Multiple Spanning Tree Protocol (MSTP)

Overview

- **BPDU filtering**
  Drops BPDU packets when STP is enabled globally but disabled on a specific port
- **Jumbo frame support**
  Supports up to 9216 bytes frame size to improve the performance of large data transfers
- **VLAN support and tagging**
  Support for IEEE 802.1Q; 256 VLANs with a VLAN ID range of 2-4093

Layer 3 services

- **Address Resolution Protocol (ARP)**
  Displays the MAC address of another IP host in the same subnet; supports static ARPs; proxy ARP allows normal ARP operation between subnets or when subnets are separated by a Layer 2 network
- **DHCP relay**
  Simplifies management of DHCP addresses in networks with multiple subnets

Layer 3 routing

- **Static IPv4 routing**
  Provides basic routing supporting up to 32 static routes to allow manual routing configuration
- **Link aggregation**
  Groups together multiple ports up to a maximum of eight ports per trunk either automatically using Link Aggregation Control Protocol (LACP), or manually, to form an ultra-high-bandwidth connection to the network backbone; help prevent traffic bottlenecks. The 8 port models support 4 trunks, 16 and 24 port models support 8 trunks, 48 port models support 16 trunks.

Convergence

- **LLDP-MED (Media Endpoint Discovery)**
  Defines a standard extension of LLDP that stores values for parameters such as QoS and VLAN to configure network devices such as IP phones automatically
- **Auto voice VLAN**
  Recognizes IP phones and automatically assigns voice traffic to dedicated VLAN for IP phones

Warranty and support

- **Limited Lifetime Warranty**
  See **http://www.hpe.com/officeconnect/support** for warranty and support information included with your product purchase.

Configuration

Build To Order: BTO is a standalone unit with no integration. BTO products ship standalone are not part of a CTO or Rack-Shippable solution.

HPE OfficeConnect 1920S 8G Switch • 8 RJ-45 autosensing 10/100/1000 ports • 1U - Height (Desktop Model)	JL380A See Configuration **NOTE:** 2
No Power Cord • No Localized Power Cord Selected	JL380A#AC3
HPE OfficeConnect 1920S 8G PPoE+ 65W Switch • 4 RJ-45 autosensing 10/100/1000 PoE+ ports • 4 RJ-45 autosensing 10/100/1000 ports • 1U - Height (Desktop Model)	JL383A See Configuration **NOTE:** 2
PDU Cable NA/MX/TW/JP • C15 PDU Jumper Cord (NA/MX/TW/JP)	JL383A#B2B
PDU Cable ROW • C15 PDU Jumper Cord (ROW)	JL383A#B2C
No Power Cord • No Localized Power Cord Selected	JL383A#AC3
HPE OfficeConnect 1920S 24G 2SFP Switch • 24 RJ-45 autosensing 10/100/1000 ports • 2 SFP 100/1000 Mbps ports (min=0 \ max=2 SFP Transceivers) • 1U - Height	JL381A See Configuration **NOTE:** 2, 3
PDU Cable NA/MX/TW/JP • C15 PDU Jumper Cord (NA/MX/TW/JP)	JL381A#B2B
PDU Cable ROW • C15 PDU Jumper Cord (ROW)	JL381A#B2C
No Power Cord • No Localized Power Cord Selected	JL381A#AC3
HPE OfficeConnect 1920S 24G 2SFP PPoE+ 185W Switch • 12 RJ-45 autosensing 10/100/1000 PoE+ ports • 12 RJ-45 autosensing 10/100/1000 ports • 2 SFP 100/1000 Mbps ports (min=0 \ max=2 SFP Transceivers) • 1U - Height	JL384A See Configuration **NOTE:** 2, 3
PDU Cable NA/MX/TW/JP • C15 PDU Jumper Cord (NA/MX/TW/JP)	JL384A#B2B

Configuration

PDU Cable ROW — JL384A#B2C
- C15 PDU Jumper Cord (ROW)

No Power Cord — JL384A#AC3
- No Localized Power Cord Selected

HPE OfficeConnect 1920S 24G 2SFP PoE+ 370W Switch — JL385A
See Configuration
NOTE:2, 3
- 24 RJ-45 autosensing 10/100/1000 PoE+ ports
- 2 SFP 100/1000 Mbps ports (min=0 \ max=2 SFP Transceivers)
- 1U - Height

PDU Cable NA/MX/TW/JP — JL385A#B2B
- C15 PDU Jumper Cord (NA/MX/TW/JP)

PDU Cable ROW — JL385A#B2C
- C15 PDU Jumper Cord (ROW)

No Power Cord — JL385A#AC3
- No Localized Power Cord Selected

HPE OfficeConnect 1920S 48G 4SFP Switch — JL382A
See Configuration
NOTE:2, 3
- 48 RJ-45 autosensing 10/100/1000 ports
- 4 SFP 100/1000 Mbps ports (min=0 \ max=4 SFP Transceivers)
- 1U - Height

PDU Cable NA/MX/TW/JP — JL382A#B2B
- C15 PDU Jumper Cord (NA/MX/TW/JP)

PDU Cable ROW — JL382A#B2C
- C15 PDU Jumper Cord (ROW)

No Power Cord — JL382A#AC3
- No Localized Power Cord Selected

HPE OfficeConnect 1920S 48G 4SFP PPoE+ 370W Switch — JL386A
See Configuration
NOTE:2, 3
- 24 RJ-45 autosensing 10/100/1000 PoE+ ports
- 24 RJ-45 autosensing 10/100/1000 ports
- 4 SFP 100/1000 Mbps ports (min=0 \ max=4 SFP Transceivers)
- 1U - Height

PDU Cable NA/MX/TW/JP — JL386A#B2B
- C15 PDU Jumper Cord (NA/MX/TW/JP)

PDU Cable ROW — JL386A#B2C
- C15 PDU Jumper Cord (ROW)

No Power Cord — JL386A#AC3
- No Localized Power Cord Selected

Configuration

Configuration Rules:

Note 2 Localization (Wall Power Cord) required on orders without #B2B or #B2C (PDU Power Cord). (See Localization Menu)

Note 3 The following Transceivers install into this switch:

Aruba 100M SFP LC FX 2km MMF XCVR	J9054D
Aruba 1G SFP LC SX 500m MMF XCVR	J4858D
Aruba 1G SFP LC LX 10km SMF XCVR	J4859D
Aruba 1G SFP RJ45 T 100m Cat5e XCVR	J8177D

Remarks: Drop down under power supply should offer the following options and results:
Switch/Router/Power Supply to PDU Power Cord - #B2B in North America, Mexico, Taiwan, and Japan or #B2C ROW. (Watson Default B2B or B2C for Rack Level CTO)
Switch/Router/Power Supply to Wall Power Cord - Localized Option (Watson Default for BTO and Box Level CTO)

OCA Only Model Selection Form -
HPE Offering > Aruba > OfficeConnect - Smart Web Managed Switch:
OfficeConnect 1920S Switch Series

Rack Level Integration CTO Models

HPE OfficeConnect 1920S 24G 2SFP Switch — JL381A
See Configuration
NOTE: 1, 2, 3

- 24 RJ-45 autosensing 10/100/1000 ports
- 2 SFP 100/1000 Mbps ports (min=0 \ max=2 SFP Transceivers)
- 1U - Height

PDU Cable NA/MX/TW/JP — JL381A#B2B

- C15 PDU Jumper Cord (NA/MX/TW/JP)

PDU Cable ROW — JL381A#B2C

- C15 PDU Jumper Cord (ROW)

No Power Cord — JL381A#AC3

- No Localized Power Cord Selected

HPE OfficeConnect 1920S 24G 2SFP PPoE+ 185W Switch — JL384A
See Configuration
NOTE: 1, 2, 3

- 12 RJ-45 autosensing 10/100/1000 PoE+ ports
- 12 RJ-45 autosensing 10/100/1000 ports
- 2 SFP 100/1000 Mbps ports (min=0 \ max=2 SFP Transceivers)
- 1U - Height

PDU Cable NA/MX/TW/JP — JL384A#B2B

- C15 PDU Jumper Cord (NA/MX/TW/JP)

PDU Cable ROW — JL384A#B2C

- C15 PDU Jumper Cord (ROW)

Configuration

No Power Cord — JL384A#AC3

- No Localized Power Cord Selected

HPE OfficeConnect 1920S 24G 2SFP PoE+ 370W Switch — JL385A

- 24 RJ-45 autosensing 10/100/1000 PoE+ ports
- 2 SFP 100/1000 Mbps ports (min=0 \ max=2 SFP Transceivers)
- 1U - Height

See Configuration
NOTE: 1, 2, 3

PDU Cable NA/MX/TW/JP — JL385A#B2B

- C15 PDU Jumper Cord (NA/MX/TW/JP)

PDU Cable ROW — JL385A#B2C

- C15 PDU Jumper Cord (ROW)

No Power Cord — JL385A#AC3

- No Localized Power Cord Selected

HPE OfficeConnect 1920S 48G 4SFP Switch — JL382A

- 48 RJ-45 autosensing 10/100/1000 ports
- 4 SFP 100/1000 Mbps ports (min=0 \ max=4 SFP Transceivers)
- 1U - Height

See Configuration
NOTE: 1, 2, 3

PDU Cable NA/MX/TW/JP — JL382A#B2B

- C15 PDU Jumper Cord (NA/MX/TW/JP)

PDU Cable ROW — JL382A#B2C

- C15 PDU Jumper Cord (ROW)

No Power Cord — JL382A#AC3

- No Localized Power Cord Selected

HPE OfficeConnect 1920S 48G 4SFP PPoE+ 370W Switch — JL386A

- 24 RJ-45 autosensing 10/100/1000 PoE+ ports
- 24 RJ-45 autosensing 10/100/1000 ports
- 4 SFP 100/1000 Mbps ports (min=0 \ max=4 SFP Transceivers)
- 1U - Height

See Configuration
NOTE: 1, 2, 3

PDU Cable NA/MX/TW/JP — JL386A#B2B

- C15 PDU Jumper Cord (NA/MX/TW/JP)

PDU Cable ROW — JL386A#B2C

- C15 PDU Jumper Cord (ROW)

No Power Cord — JL386A#AC3

- No Localized Power Cord Selected

Configuration Rules:

Configuration

Note 1	The following Transceivers install into this switch:	
	Aruba 100M SFP LC FX 2km MMF XCVR	J9054D
	Aruba 1G SFP LC SX 500m MMF XCVR	J4858D
	Aruba 1G SFP LC LX 10km SMF XCVR	J4859D
	Aruba 1G SFP RJ45 T 100m Cat5e XCVR	J8177D

Note 2 Localization (Wall Power Cord) required on orders without #B2B, #B2C (PDU Power Cord) . (See Localization Menu)
REMARK: When Switches/Routers are Factory Racked, Then #B2B, or #B2C should be the Defaulted Power Cable option on the Switches/Routers.
#AC3 No Localized Power Cord Selected

Note 3 If this switch is factory installed in any HP Racks, Then the J9583A#0D1 is required.

Enter the following menu selections as integrated to the CTO Model X server above if order is factory built.

Transceivers

SFP Transceivers

Aruba 100M SFP LC FX 2km MMF Transceiver	J9054D
Aruba 1G SFP LC LX 10km SMF Transceiver	J4859D
Aruba 1G SFP LC SX 500m OM2 MMF Transceiver	J4858D
Aruba 1G SFP RJ45 T 100m Cat5e Transceiver	J8177D

Switch Enclosure Options

Rack Mount Kit

HPE X410 1U Univ 4-post RM Kit • Supported on JL381A, JL382A, JL384A, JL385A, JL386A	J9583A See Configuration **NOTE:** 1

Configuration Rules:

Note 1 If this Mounting Kit is order with #0D1 then it integrates to the HPE Network Rack. (not the switch)

Technical Specifications

HPE OfficeConnect 1920S 8G Switch (JL380A)

I/O ports and slots	8 RJ-45 autosensing 10/100/1000 ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T); Duplex: 10BASE-T/100BASE-TX: half or full; 1000BASE-T: full only	
Physical characteristics	**Dimensions**	10(w) x 6.28(d) x 1.73(h) in (25.4 x 15.95 x 4.39 cm) (1U height)
	Weight	1.81 lb (0.82 kg)
Memory and processor	ARM Cortex-A9 @ 400 MHz, 256 MB SDRAM, 64 MB flash; packet buffer: 1.5 MB	
Performance	**100 Mb Latency**	< 7.0 µs
	1000 Mb Latency	< 2.4 µs
	Throughput	up to 11.9 Mpps
	Routing/Switching capacity	16 Gbps
	Routing table size	32 entries
	MAC address table size	8,000 entries
Reliability	**MTBF (years)**	144.9
Environment	**Operating temperature**	32°F to 104°F (0°C to 40°C)
	Operating relative humidity	15% to 95% @ 104°F (40°C)
	Nonoperating/Storage temperature	-40°F to 158°F (-40°C to 70°C)
	Nonoperating/Storage relative humidity	15% to 95% @ 140°F (60°C)
	Altitude	up to 10,000 ft (3 km)
	Acoustic	Power: 0 dB no fan
Electrical characteristics	**Frequency**	50/60 Hz
	AC Voltage	100 - 240 VAC
	Current	.2 A
	Maximum power rating	9.5 W
	Idle power	8.2 W
Safety	UL 60950-1; IEC 60950-1; EN 60950-1; CAN/CSA-C22.2 No. 60950-1; EN 60825-1	
Emissions	VCCI Class A; CNS 13438; ICES-003 Issue 5 Class A; FCC CFR 47 Part 15, Class A; EN 55032: 2015/CISPR-32	
Immunity	**Generic**	EN 55024, CISPR 24
	EN	EN 55024, CISPR 24
	ESD	IEC 61000-4-2
	Radiated	IEC 61000-4-3
	EFT/Burst	IEC 61000-4-4
	Surge	IEC 61000-4-5
	Conducted	IEC 61000-4-6
	Power frequency magnetic field	IEC 61000-4-8

Technical Specifications

	Voltage dips and interruptions	IEC 61000-4-11
	Harmonics	EN 61000-3-2, IEC 61000-3-2
	Flicker	EN 61000-3-3, IEC 61000-3-3
Device Management	Web browser	
Services	Refer to the Hewlett Packard Enterprise website at **http://www.hpe.com/networking/services** for details on the service-level descriptions and product numbers. For details about services and response times in your area, please contact your local Hewlett Packard Enterprise sales office.	

HPE OfficeConnect 1920S 24G 2SFP Switch (JL381A)

I/O ports and slots	24 RJ-45 autosensing 10/100/1000 ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T); Duplex: 10BASE-T/100BASE-TX: half or full; 1000BASE-T: full only	
	2 SFP 100/1000 Mbps ports (IEEE 802.3z Type 1000BASE-X, IEEE 802.3u Type 100BASE-FX)	
Physical characteristics	**Dimensions**	17.42(w) x 9.69(d) x 1.73(h) in (44.25 x 24.61 x 4.39 cm) (1U height)
	Weight	6 lb (2.72 kg)
Memory and processor	ARM Cortex-A9 @ 400 MHz, 256 MB SDRAM, 64 MB flash; packet buffer: 1.5 MB	
Performance	**100 Mb Latency**	< 7.0 µs
	1000 Mb Latency	< 2.0 µs
	Throughput	up to 38.6 Mpps
	Routing/Switching capacity	52 Gbps
	Routing table size	32 entries
	MAC address table size	8,000 entries
Reliability	**MTBF (years)**	80
Environment	**Operating temperature**	32°F to 104°F (0°C to 40°C)
	Operating relative humidity	15% to 95% @ 104°F (40°C)
	Nonoperating/Storage temperature	-40°F to 158°F (-40°C to 70°C)
	Nonoperating/Storage relative humidity	15% to 95% @ 140°F (60°C)
	Altitude	up to 10,000 ft (3 km)
	Acoustic	Power: 0 dB no fan
Electrical characteristics	**Frequency**	50/60 Hz
	AC Voltage	100 - 127 / 200 - 240 VAC
	Current	.5/.3 A
	Maximum power rating	15.7 W
	Idle power	11.6 W
Safety	UL 60950-1; IEC 60950-1; EN 60950-1; CAN/ CSA-C22.2 No. 60950-1; EN 60825-1	
Emissions	VCCI Class A; CNS 13438; ICES-003 Issue 5 Class A; FCC CFR 47 Part 15, Class A; EN 55032: 2015/CISPR-32	
Immunity	**Generic**	EN 55024, CISPR 24
	EN	EN 55024, CISPR 24
	ESD	IEC 61000-4-2

Technical Specifications

	Radiated	IEC 61000-4-3
	EFT/Burst	IEC 61000-4-4
	Surge	IEC 61000-4-5
	Conducted	IEC 61000-4-6
	Power frequency magnetic field	IEC 61000-4-8
	Voltage dips and interruptions	IEC 61000-4-11
	Harmonics	EN 61000-3-2, IEC 61000-3-2
	Flicker	EN 61000-3-3, IEC 61000-3-3
Device Management	Web browser	
Notes	Use only supported genuine HPE mini-GBICs with your switch.	
Services	Refer to the Hewlett Packard Enterprise website at **http://www.hpe.com/networking/services** for details on the service-level descriptions and product numbers. For details about services and response times in your area, please contact your local Hewlett Packard Enterprise sales office.	

HPE OfficeConnect 1920S 48G 4SFP Switch (JL382A)

I/O ports and slots	48 RJ-45 autosensing 10/100/1000 ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T); Duplex: 10BASE-T/100BASE-TX: half or full; 1000BASE-T: full only	
	4 SFP 100/1000 Mbps ports (IEEE 802.3z Type 1000BASE-X, IEEE 802.3u Type 100BASE-FX)	
Physical characteristics	**Dimensions**	17.42(w) x 9.69(d) x 1.73(h) in (44.25 x 24.61 x 4.39 cm) (1U height)
	Weight	7.3 lb (3.31 kg)
Memory and processor	ARM Cortex-A9 @ 400 MHz, 256 MB SDRAM, 64 MB flash; packet buffer: 1.5 MB	
Performance	**100 Mb Latency**	< 7.0 µs
	1000 Mb Latency	< 2.0 µs
	Throughput	up to 77.3 Mpps
	Routing/Switching capacity	104 Gbps
	Routing table size	32 entries
	MAC address table size	16,000 entries
Reliability	**MTBF (years)**	61.73
Environment	**Operating temperature**	32°F to 104°F (0°C to 40°C)
	Operating relative humidity	15% to 95% @ 104°F (40°C)
	Nonoperating/Storage temperature	-40°F to 158°F (-40°C to 70°C)
	Nonoperating/Storage relative humidity	15% to 95% @ 140°F (60°C)
	Altitude	up to 10,000 ft (3 km)
	Acoustic	Power: 0 dB no fan
Electrical characteristics	**Frequency**	50/60 Hz
	AC Voltage	100 - 127 / 200 - 240 VAC
	Current	.8/.5 A
	Maximum power rating	32.2 W

Technical Specifications

	Idle power	23.3 W
Safety	UL 60950-1; IEC 60950-1; EN 60950-1; CAN/ CSA-C22.2 No. 60950-1; EN 60825-1	
Emissions	VCCI Class A; CNS 13438; ICES-003 Issue 5 Class A; FCC CFR 47 Part 15, Class A; EN 55032: 2015/CISPR-32	
Immunity	**Generic**	EN 55024, CISPR 24
	EN	EN 55024, CISPR 24
	ESD	IEC 61000-4-2
	Radiated	IEC 61000-4-3
	EFT/Burst	IEC 61000-4-4
	Surge	IEC 61000-4-5
	Conducted	IEC 61000-4-6
	Power frequency magnetic field	IEC 61000-4-8
	Voltage dips and interruptions	IEC 61000-4-11
	Harmonics	EN 61000-3-2, IEC 61000-3-2
	Flicker	EN 61000-3-3, IEC 61000-3-3
Device Management	Web browser	
Notes	Use only supported genuine HPE mini-GBICs with your switch.	
Services	Refer to the Hewlett Packard Enterprise website at **http://www.hpe.com/networking/services** for details on the service-level descriptions and product numbers. For details about services and response times in your area, please contact your local Hewlett Packard Enterprise sales office.	

HPE OfficeConnect 1920S 8G PPoE+ 65W Switch (JL383A)

I/O ports and slots	4 RJ-45 autosensing 10/100/1000 PoE+ ports; Duplex: 10BASE-T/100BASE-TX: half or full; 1000BASE-T: full only	
	4 RJ-45 autosensing 10/100/1000 ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T); Duplex: 10BASE-T/100BASE-TX: half or full; 1000BASE-T: full only	
Physical characteristics	**Dimensions**	10(w) x 6.28(d) x 1.73(h) in (25.4 x 15.95 x 4.39 cm) (1U height)
	Weight	2.01 lb (0.91 kg)
Memory and processor	ARM Cortex-A9 @ 400 MHz, 256 MB SDRAM, 64 MB flash; packet buffer: 1.5 MB	
Performance	**100 Mb Latency**	< 7.0 µs
	1000 Mb Latency	< 2.3 µs
	Throughput	up to 11.9 Mpps
	Routing/Switching capacity	16 Gbps
	Routing table size	32 entries
	MAC address table size	8,000 entries
Reliability	**MTBF (years)**	112.36
Environment	**Operating temperature**	32°F to 104°F (0°C to 40°C)
	Operating relative humidity	15% to 95% @ 104°F (40°C)
	Nonoperating/Storage temperature	-40°F to 158°F (-40°C to 70°C)

Technical Specifications

	Nonoperating/Storage relative humidity	15% to 95% @ 140°F (60°C)
	Altitude	up to 10,000 ft (3 km)
	Acoustic	Power: 0 dB no fan
Electrical characteristics	**Frequency**	50/60 Hz
	AC Voltage	100 - 240 VAC
	Current	.9 A
	Maximum power rating	72.9 W
	Idle power	9.7 W
	PoE power	65 W PoE+
Safety	UL 60950-1; IEC 60950-1; EN 60950-1; CAN/ CSA-C22.2 No. 60950-1; EN 60825-1	
Emissions	VCCI Class A; CNS 13438; ICES-003 Issue 5 Class A; FCC CFR 47 Part 15, Class A; EN 55032: 2015/CISPR-32	
Immunity	**Generic**	EN 55024, CISPR 24
	EN	EN 55024, CISPR 24
	ESD	IEC 61000-4-2
	Radiated	IEC 61000-4-3
	EFT/Burst	IEC 61000-4-4
	Surge	IEC 61000-4-5
	Conducted	IEC 61000-4-6
	Power frequency magnetic field	IEC 61000-4-8
	Voltage dips and interruptions	IEC 61000-4-11
	Harmonics	EN 61000-3-2, IEC 61000-3-2
	Flicker	EN 61000-3-3, IEC 61000-3-3
Device Management	Web browser	
Services	Refer to the Hewlett Packard Enterprise website at **http://www.hpe.com/networking/services** for details on the service-level descriptions and product numbers. For details about services and response times in your area, please contact your local Hewlett Packard Enterprise sales office.	

HPE OfficeConnect 1920S 24G 2SFP PPoE+ 185W Switch (JL384A)

I/O ports and slots	12 RJ-45 autosensing 10/100/1000 PoE+ ports; Duplex: 10BASE-T/100BASE-TX: half or full; 1000BASE-T: full only	
	12 RJ-45 autosensing 10/100/1000 ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T); Duplex: 10BASE-T/100BASE-TX: half or full; 1000BASE-T: full only	
	2 SFP 100/1000 Mbps ports (IEEE 802.3z Type 1000BASE-X, IEEE 802.3u Type 100BASE-FX)	
Physical characteristics	**Dimensions**	17.42(w) x 9.69(d) x 1.73(h) in (44.25 x 24.61 x 4.39 cm) (1U height)
	Weight	7.3 lb (3.31 kg)
Memory and processor	ARM Cortex-A9 @ 400 MHz, 256 MB SDRAM, 64 MB flash; packet buffer: 1.5 MB	
Performance	**100 Mb Latency**	< 7.0 µs
	1000 Mb Latency	< 2.0 µs
	Throughput	38.6 Mpps

Technical Specifications

	Routing/Switching capacity	52 Gbps
	Routing table size	32 entries
	MAC address table size	8,000 entries
Reliability	**MTBF (years)**	64.52
Environment	**Operating temperature**	32°F to 104°F (0°C to 40°C)
	Operating relative humidity	15% to 95% @ 104°F (40°C)
	Nonoperating/Storage temperature	-40°F to 158°F (-40°C to 70°C)
	Nonoperating/Storage relative humidity	15% to 95% @ 140°F (60°C)
	Altitude	up to 10,000 ft (3 km)
	Acoustic	Power: 36 dB
Electrical characteristics	**Frequency**	50/60 Hz
	AC Voltage	100 - 127 / 200 - 240 VAC
	Current	2.6/1.3 A
	Maximum power rating	207.9 W
	Idle power	19 W
	PoE power	185 W PoE+
Safety	UL 60950-1; IEC 60950-1; EN 60950-1; CAN/ CSA-C22.2 No. 60950-1; EN 60825-1	
Emissions	VCCI Class A; CNS 13438; ICES-003 Issue 5 Class A; FCC CFR 47 Part 15, Class A; EN 55032: 2015/CISPR-32	
Immunity	**Generic**	EN 55024, CISPR 24
	EN	EN 55024, CISPR 24
	ESD	IEC 61000-4-2
	Radiated	IEC 61000-4-3
	EFT/Burst	IEC 61000-4-4
	Surge	IEC 61000-4-5
	Conducted	IEC 61000-4-6
	Power frequency magnetic field	IEC 61000-4-8
	Voltage dips and interruptions	IEC 61000-4-11
	Harmonics	EN 61000-3-2, IEC 61000-3-2
	Flicker	EN 61000-3-3, IEC 61000-3-3
Device Management	Web browser	
Notes	Use only supported genuine HPE mini-GBICs with your switch.	
Services	Refer to the Hewlett Packard Enterprise website at **http://www.hpe.com/networking/services** for details on the service-level descriptions and product numbers. For details about services and response times in your area, please contact your local Hewlett Packard Enterprise sales office.	

HPE OfficeConnect 1920S 24G 2SFP PoE+ 370W Switch (JL385A)

I/O ports and slots	24 RJ-45 autosensing 10/100/1000 PoE+ ports; Duplex: 10BASE-T/100BASE-TX: half or full; 1000BASE-T: full only
	2 SFP 100/1000 Mbps ports (IEEE 802.3z Type 1000BASE-X, IEEE 802.3u Type 100BASE-FX)

Technical Specifications

Physical characteristics	**Dimensions**	17.42(w) x 12.7(d) x 1.73(h) in (44.25 x 32.26 x 4.39 cm) (1U height)
	Weight	9.7 lb (4.4 kg)
Memory and processor	ARM Cortex-A9 @ 400 MHz, 256 MB SDRAM, 64 MB flash; packet buffer: 1.5 MB	
Performance	**100 Mb Latency**	< 7.0 µs
	1000 Mb Latency	< 2.0 µs
	Throughput	77.3 Mpps
	Routing/Switching capacity	52 Gbps
	Routing table size	32 entries
	MAC address table size	16,000 entries
Reliability	**MTBF (years)**	57.1
Environment	**Operating temperature**	32°F to 104°F (0°C to 40°C)
	Operating relative humidity	15% to 95% @ 104°F (40°C)
	Nonoperating/Storage temperature	-40°F to 158°F (-40°C to 70°C)
	Nonoperating/Storage relative humidity	15% to 95% @ 140°F (60°C)
	Altitude	up to 10,000 ft (3 km)
	Acoustic	Power: 45 dB
Electrical characteristics	**Frequency**	50/60 Hz
	AC Voltage	100 - 127 / 200 - 240 VAC
	Current	3.5/1.9 A
	Maximum power rating	435 W
	Idle power	34.2 W
	PoE power	370 W PoE+
Safety	UL 60950-1; IEC 60950-1; EN 60950-1; CAN/ CSA-C22.2 No. 60950-1; EN 60825-1	
Emissions	VCCI Class A; CNS 13438; ICES-003 Issue 5 Class A; FCC CFR 47 Part 15, Class A; EN 55032: 2015/CISPR-32	
Immunity	**Generic**	EN 55024, CISPR 24
	EN	EN 55024, CISPR 24
	ESD	IEC 61000-4-2
	Radiated	IEC 61000-4-3
	EFT/Burst	IEC 61000-4-4
	Surge	IEC 61000-4-5
	Conducted	IEC 61000-4-6
	Power frequency magnetic field	IEC 61000-4-8
	Voltage dips and interruptions	IEC 61000-4-11
	Harmonics	EN 61000-3-2, IEC 61000-3-2
	Flicker	EN 61000-3-3, IEC 61000-3-3
Device Management	Web browser	
Notes	Use only supported genuine HPE mini-GBICs with your switch.	

Technical Specifications

Services	Refer to the Hewlett Packard Enterprise website at **http://www.hpe.com/networking/services** for details on the service-level descriptions and product numbers. For details about services and response times in your area, please contact your local Hewlett Packard Enterprise sales office.

HPE OfficeConnect 1920S 48G 4SFP PPoE+ 370W Switch (JL386A)

I/O ports and slots	24 RJ-45 autosensing 10/100/1000 PoE+ ports; Duplex: 10BASE-T/100BASE-TX: half or full; 1000BASE-T: full only	
	24 RJ-45 autosensing 10/100/1000 ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T); Duplex: 10BASE-T/100BASE-TX: half or full; 1000BASE-T: full only	
	4 SFP 100/1000 Mbps ports (IEEE 802.3z Type 1000BASE-X, IEEE 802.3u Type 100BASE-FX)	
Physical characteristics	**Dimensions**	17.42(w) x 12.7(d) x 1.73(h) in (44.25 x 32.26 x 4.39 cm) (1U height)
	Weight	9.7 lb (4.4 kg)
Memory and processor	ARM Cortex-A9 @ 400 MHz, 256 MB SDRAM, 64 MB flash; packet buffer: 1.5 MB	
Performance	**100 Mb Latency**	< 7.0 µs
	1000 Mb Latency	< 2.0 µs
	Throughput	77.3 Mpps
	Routing/Switching capacity	104 Gbps
	Routing table size	32 entries
	MAC address table size	16,000 entries
Reliability	**MTBF (years)**	45
Environment	**Operating temperature**	32°F to 104°F (0°C to 40°C)
	Operating relative humidity	15% to 95% @ 104°F (40°C)
	Nonoperating/Storage temperature	-40°F to 158°F (-40°C to 70°C)
	Nonoperating/Storage relative humidity	15% to 95% @ 140°F (60°C)
	Altitude	up to 10,000 ft (3 km)
	Acoustic	Power: 45 dB
Electrical characteristics	**Frequency**	50/60 Hz
	AC Voltage	100 - 127 / 200 - 240 VAC
	Current	5.1/2.6 A
	Maximum power rating	481 W
	Idle power	54.8 W
	PoE power	370 W PoE+
Safety	UL 60950-1; IEC 60950-1; EN 60950-1; CAN/ CSA-C22.2 No. 60950-1; EN 60825-1	
Emissions	VCCI Class A; CNS 13438; ICES-003 Issue 5 Class A; FCC CFR 47 Part 15, Class A; EN 55032: 2015/CISPR-32	
Immunity	**Generic**	EN 55024, CISPR 24
	EN	EN 55024, CISPR 24
	ESD	IEC 61000-4-2
	Radiated	IEC 61000-4-3
	EFT/Burst	IEC 61000-4-4

Technical Specifications

	Surge	IEC 61000-4-5
	Conducted	IEC 61000-4-6
	Power frequency magnetic field	IEC 61000-4-8
	Voltage dips and interruptions	IEC 61000-4-11
	Harmonics	EN 61000-3-2, IEC 61000-3-2
	Flicker	EN 61000-3-3, IEC 61000-3-3
Device Management	Web browser	
Notes	Use only supported genuine HPE mini-GBICs with your switch.	
Services	Refer to the Hewlett Packard Enterprise website at **http://www.hpe.com/networking/services** for details on the service-level descriptions and product numbers. For details about services and response times in your area, please contact your local Hewlett Packard Enterprise sales office.	

Standards and protocols (applies to all products in series)

Denial of service protection
CPU DoS Protection

General Protocols
IEEE 802.1D MAC Bridges
IEEE 802.1p Priority
IEEE 802.1Q VLANs
IEEE 802.1s (MSTP)
IEEE 802.1w Rapid Reconfiguration of Spanning Tree
IEEE 802.3ad Link Aggregation Control Protocol (LACP)
IEEE 802.3x Flow Control
IEEE 802.3 Type 10BASE-T
IEEE 802.3i 10BASE-T
IEEE 802.3ab 1000BASE-T
IEEE 802.3z 1000BASE-X

RADIUS Server

RADIUS server configuration options
IP/Address or Hostname
Friendly server name
Port Number (1-65335) Default = 1812
Secret key
Message Authenticator – enable or disable

RADIUS server summarized statistics
Client IP address / hostname
Round trip time
Access requests
Access rejects
Pending requests
Timeouts
Packets Dropped

RADIUS Accounting

RADIUS accounting server configurations options
IP Address or Hostname
Friendly server name
Port number – (1-65535) Default = 1813
Secret Key

Technical Specifications

RADIUS accounting attributes
RADIUS_ATTR_TYPE_USER_NAME
RADIUS_ATTR_TYPE_USER_PASSWORD
RADIUS_ATTR_TYPE_NAS_IP_ADDRESS
RADIUS_ATTR_TYPE_NAS_PORT
RADIUS_ATTR_TYPE_SERVICE_TYPE
RADIUS_ATTR_TYPE_FRAMED_IP_ADDRESS
RADIUS_ATTR_TYPE_FILTER_ID
RADIUS_ATTR_TYPE_FRAMED_MTU
RADIUS_ATTR_TYPE_REPLY_MESSAGE
RADIUS_ATTR_TYPE_STATE
RADIUS_ATTR_TYPE_CLASS
RADIUS_ATTR_TYPE_SESSION_TIMEOUT
RADIUS_ATTR_TYPE_TERMINATION_ACTION
RADIUS_ATTR_TYPE_CALLED_STATION_ID
RADIUS_ATTR_TYPE_CALLING_STATION_ID
RADIUS_ATTR_TYPE_NAS_IDENTIFIER
RADIUS_ATTR_TYPE_ACCT_STATUS_TYPE
RADIUS_ATTR_TYPE_ACCT_INPUT_OCTETS
RADIUS_ATTR_TYPE_ACCT_OUTPUT_OCTETS
RADIUS_ATTR_TYPE_ACCT_SESSION_ID
RADIUS_ATTR_TYPE_ACCT_SESSION_TIME
RADIUS_ATTR_TYPE_ACCT_TERMINATE_CAUSE
RADIUS_ATTR_TYPE_ACCT_G_IBYTES
RADIUS_ATTR_TYPE_ACCT_G_OBYTES
RADIUS_ATTR_TYPE_NAS_PORT_TYPE
RADIUS_ATTR_TYPE_TUNNEL_TYPE
RADIUS_ATTR_TYPE_TUNNEL_MEDIUM_TYPE
RADIUS_ATTR_TYPE_EAP_MESSAGE
RADIUS_ATTR_TYPE_MESSAGE_AUTHENTICATOR
RADIUS_ATTR_TYPE_TUNNEL_PRIVATE_GROUP_ID

RADIUS accounting summarized statistics
Accounting Requests
Pending Requests
Timeouts
Packets Dropped

MIB support

RFC 2819 RMON-MIB
HC-ALARM-MIB
SNMP-FRAMEWORK-MIB
SNMP-NOTIFICATION-MIB
SNMP-USER-BASED-SM-MIB
SR-AGENT-INFO-MIB
BRIDGE-MIB (IEEE 802.1Q)
Q-BRIDGE-MIB (RFC 2674
LLDP-MIB (IEEE 802.3AB)
LLDP-EXT-MED-MIB
LAG-MIB (IEEE 802.3ad)
RADIUS-ACC-CLIENT-MIB
EtherLike-MIB
IF-MIB (RFC 2863)
RFC1213-MIB
Power Ethernet MIB (RFC3621)

Technical Specifications

HPE Private MIBS

MIB Description	OID	Node Module	Object Name
Software Version	1.3.6.1.4.1.11.2.36.1.1.2.6	SEMI-MIB	hpHttpMgVersion
ROM Version	1.3.6.1.4.1.11.2.36.1.1.2.8	SEMI-MIB	hpHttpMgROMVersion
Serial Number	1.3.6.1.4.1.11.2.36.1.1.2.9	SEMI-MIB	hpHttpMgSerialNumber

sysOID – identifier MIB objects

JL380A HPE 1920S 8G Switch	1.3.6.1.4.1.11.2.3.7.11.183
JL381A HPE 1920S 24G Switch	1.3.6.1.4.1.11.2.3.7.11.184
JL382A HPE 1920S 48G Switch	1.3.6.1.4.1.11.2.3.7.11.185
JL383A HPE 1920S 8G PPoE+ (65W) Switch	1.3.6.1.4.1.11.2.3.7.11.186
JL384A HPE 1920S 24G PPoE+ (185W) Switch	1.3.6.1.4.1.11.2.3.7.11.187
JL385A HPE 1920S 24G PoE+ (370W) Switch	1.3.6.1.4.1.11.2.3.7.11.188
JL386A HPE 1920S 48G PPoE+ (370W) Switch	1.3.6.1.4.1.11.2.3.7.11.198

Accessories

HPE OfficeConnect 1920S Switch Series accessories

Transceivers

Aruba 100M SFP LC FX 2km MMF Transceiver	J9054D
Aruba 1G SFP LC LX 10km SMF Transceiver	J4859D
Aruba 1G SFP LC SX 500m OM2 MMF Transceiver	J4858D
Aruba 1G SFP RJ45 T 100m Cat5e Transceiver	J8177D

Mounting Kit

HPE X410 1U Universal 4-post Rackmount Kit	J9583A

Summary of Changes

Date	Version History	Action	Description of Change:
02-Apr-2018	Version 4	Changed	Accessories updated
04-Sep-2017	Version 3	Changed	Updates made on Features and benefits
16-May-2017	Version 2	Changed	Edits made on Technical Specifications
06-Mar-2017	Version 1	Created	Document creation



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