Overview

HPE OfficeConnect 1420 Switch Series





Models

HPE OfficeConnect 1420 16G Switch	JH016A
HPE OfficeConnect 1420 24G 2SFP Switch	JH017A
HPE OfficeConnect 1420 24G 2SFP+ Switch	JH018A
HPE OfficeConnect 1420 24G PoE+ (124W) Switch	JH019A
HPE OfficeConnect 1420 5G Switch	JH327A
HPE OfficeConnect 1420 5G PoE+ (32W) Switch	JH328A
HPE OfficeConnect 1420 8G Switch	JH329A
HPE OfficeConnect 1420 8G PoE+ (64W) Switch	JH330A
HPE OfficeConnect 1420 24G Switch	JG708B

Key features

- Unmanaged plug-and-play Gigabit Ethernet switching
- Green features for low power consumption
- Fanless design for silent operation
- Quality of Service capabilities for improved network efficiency
- Limited lifetime warranty

Product overview

The HPE OfficeConnect 1420 Switch Series consists of unmanaged Gigabit Ethernet switches, for small business and others looking for plug-and-play basic Layer 2 connectivity for their network, including low-cost PoE+ and 10-Gigabit uplink models.

The HPE OfficeConnect 1420 Switch Series consists of unmanaged business-class Gigabit Ethernet switches for small business and others looking for plug-and-play basic Layer 2 connectivity for their network. The 1420 Switch Series includes nine Gigabit switches: 16-port 10/100/1000, 24-port 10/100/1000 with two SFP Gigabit ports, 24-port 10/100/1000 ports of which 12 are Power over Ethernet (PoE+) enabled with a total PoE power budget of 124W, and 24-port 10/100/1000 with two SFP+ 10GbE ports. The 1420 Switch Series also includes a 5-port 10/100/1000, 5-port 10/100/1000 with 4 out of 5 ports as PoE+ ports, an 8-port 10/100/1000, 8-port 10/100/1000 with 8 out of 8 ports as PoE+ ports and a simple 24 port 10/100/1000 switch. They are fanless for silent operation. They come with a limited lifetime Warranty.

Overview

HPE OfficeConnect 1420 switches have quality of service (QoS) support and IEEE 802.3x flow control features that improve network efficiency. Simplified plug-and-play convenience is supported by features such as auto-MDIX and auto-speed negotiation. Hewlett Packard Enterprise has innovated and combined the latest advances in silicon technology to bring you some of the most power-efficient switches. All models support the Energy Efficient Ethernet IEEE 802.3az standard, as well as auto power-down mode on idle ports and power saving on short-distance cables. With their fanless silent operation, these switches are ideal for office deployment. HPE OfficeConnect 1420 switches come with a limited lifetime warranty.

Features and benefits

Ease of use

- **Unmanaged**
  provides plug-and-play simplicity
- **Auto-speed negotiation**
  selects individual port speed automatically, depending on client capabilities; removing the need for manual intervention enables simple plug-and-play operation
- **Comprehensive LED display with per-port indicators**
  provides an at-a-glance view of the status, activity, speed, and full-duplex operation of the switches
- **Flow control**
  helps ensure reliable communications during full-duplex operation
- **HPE/IEEE Auto-MDIX**
  automatically adjusts for straight-through or crossover cables on all RJ-45 ports

Connectivity

- **Gigabit Ethernet 10/100/1000 Connectivity**
  supports high-speed Ethernet connections over highly affordable copper Category 5 cabling.
- **10-Gigabit fiber connectivity**
  Future-proof 10-Gigabit technology allows high-speed fiber connection to servers or other switches, with connection flexibility using optional SFP+ or SFP transceivers.
- **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 IP phones, wireless access points, and security cameras, as well as any IEEE 802.3af compliant end device; reduces the cost of additional electrical cabling and circuits that would otherwise be necessary in IP phone and WLAN deployments (for PoE model)

Performance

- **Energy-efficient Ethernet support**
  supports new IEEE 802.3az standard; and allows lower power consumption, when operated with IEEE-compliant client devices in 100 Mb/s mode only
- **Half-/full-duplex auto-negotiating capability on every port**
  doubles the throughput of every port.
- **Jumbo frame support**
  allows frames up to 9,216 bytes to be switched through the network

Flexibility

- **Fanless design**
  enables quiet operation for deployment in open spaces
- **Internal power supply**
  delivers operational convenience and an environment suitable for business operations

Quality of Service (QoS)

Overview

- **IEEE 802.1p prioritization**
  delivers data to devices, based on the priority and type of traffic
- **DiffServ Code Point (DSCP) support**
  allows real-time traffic prioritization, based on L3 TOS/DSCP parameters

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 1420 24G Switch • 24 RJ-45 autosensing 10/100/1000 ports • 1U - Height	JG708B See Configuration NOTE:3
PDU Cable NA/MEX/TW/JP • C15 PDU Jumper Cord (NA/MEX/TW/JP)	JG708B#B2B
PDU Cable NA/MEX/TW/JP • C15 PDU Jumper Cord (ROW)	JG708B#B2C
High Volt Switch/Router to Wall Power Cord • NEMA L6-20P Cord (NA/MEX/JP/TW)	JG708B#B2E
HPE OfficeConnect 1420 5G Switch • 5 RJ-45 autosensing 10/100/1000 ports • 1U - Height	JH327A See Configuration NOTE:3
PDU Cable NA/MEX/TW/JP • C15 PDU Jumper Cord (NA/MEX/TW/JP)	JH327A#B2B
PDU Cable NA/MEX/TW/JP • C15 PDU Jumper Cord (ROW)	JH327A#B2C
High Volt Switch/Router to Wall Power Cord • NEMA L6-20P Cord (NA/MEX/JP/TW)	JH327A#B2E
HPE OfficeConnect 1420 5G PoE+ (32W) Switch • 5 RJ-45 autosensing 10/100/1000 ports • 1U - Height	JH328A See Configuration NOTE:3
PDU Cable NA/MEX/TW/JP • C15 PDU Jumper Cord (NA/MEX/TW/JP)	JH328A#B2B
PDU Cable NA/MEX/TW/JP • C15 PDU Jumper Cord (ROW)	JH328A#B2C
High Volt Switch/Router to Wall Power Cord • NEMA L6-20P Cord (NA/MEX/JP/TW)	JH328A#B2E
HPE OfficeConnect 1420 8G Switch	JH329A

Configuration

• 8 RJ-45 autosensing 10/100/1000 ports • 1U - Height	See Configuration **NOTE: 3**
PDU Cable NA/MEX/TW/JP • C15 PDU Jumper Cord (NA/MEX/TW/JP)	JH329A#B2B
PDU Cable NA/MEX/TW/JP • C15 PDU Jumper Cord (ROW)	JH329A#B2C
High Volt Switch/Router to Wall Power Cord • NEMA L6-20P Cord (NA/MEX/JP/TW)	JH329A#B2E
HPE OfficeConnect 1420 8G PoE+ (64W) Switch • 8 RJ-45 autosensing 10/100/1000 ports • 1U - Height	JH330A See Configuration **NOTE: 3**
PDU Cable NA/MEX/TW/JP • C15 PDU Jumper Cord (NA/MEX/TW/JP)	JH330A#B2B
PDU Cable NA/MEX/TW/JP • C15 PDU Jumper Cord (ROW)	JH330A#B2C
High Volt Switch/Router to Wall Power Cord • NEMA L6-20P Cord (NA/MEX/JP/TW)	JH330A#B2E
HPE OfficeConnect 1420 16G Switch • 16 RJ-45 autosensing 10/100/1000 ports • 1U - Height	JH016A See Configuration **NOTE: 3**
PDU Cable NA/MEX/TW/JP • C15 PDU Jumper Cord (NA/MEX/TW/JP)	JH016A#B2B
PDU Cable NA/MEX/TW/JP • C15 PDU Jumper Cord (ROW)	JH016A#B2C
High Volt Switch/Router to Wall Power Cord • NEMA L6-20P Cord (NA/MEX/JP/TW)	JH016A#B2E
HPE OfficeConnect 1420 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	JH017A See Configuration **NOTE:1, 3**
PDU Cable NA/MEX/TW/JP • C15 PDU Jumper Cord (NA/MEX/TW/JP)	JH017A#B2B

Configuration

PDU Cable NA/MEX/TW/JP • C15 PDU Jumper Cord (ROW)	JH017A#B2C
High Volt Switch/Router to Wall Power Cord • NEMA L6-20P Cord (NA/MEX/JP/TW)	JH017A#B2E
HPE OfficeConnect 1420 24G 2SFP+ Switch • 24 RJ-45 autosensing 10/100/1000 ports • 2 fixed 1000/10000 SFP+ ports • min=0 \ max=2 SFP+ Transceivers • 1U - Height	JH018A See Configuration **NOTE: 1, 2, 3**
PDU Cable NA/MEX/TW/JP • C15 PDU Jumper Cord (NA/MEX/TW/JP)	JH018A#B2B
PDU Cable NA/MEX/TW/JP • C15 PDU Jumper Cord (ROW)	JH018A#B2C
High Volt Switch/Router to Wall Power Cord • NEMA L6-20P Cord (NA/MEX/JP/TW)	JH018A#B2E
HPE OfficeConnect 1420 24G PoE+ (124W) Switch • 24 RJ-45 autosensing 10/100/1000 ports • 1U - Height	JH019A See Configuration **NOTE: 3**
PDU Cable NA/MEX/TW/JP • C15 PDU Jumper Cord (NA/MEX/TW/JP)	JH019A#B2B
PDU Cable NA/MEX/TW/JP • C15 PDU Jumper Cord (ROW)	JH019A#B2C
High Volt Switch/Router to Wall Power Cord • NEMA L6-20P Cord (NA/MEX/JP/TW)	JH019A#B2E

Configuration Rules:

Note 1	The following Transceivers install into this switch:	
	HPE X120 1G SFP RJ45 T Transceiver	JD089B
	HPE X120 1G SFP LC SX Transceiver	JD118B
	HPE X120 1G SFP LC LX Transceiver	JD119B
Note 2	The following Transceivers install into this switch:	
	HPE X130 10G SFP+ LC SR Transceiver	JD092B
	HPE X130 10G SFP+ LC LR Transceiver	JD094B
	HPE X240 10G SFP+ SFP+ 0.65m DAC C-Cable	JH693A
	HPE X240 10G SFP+ SFP+ 1.2m DAC C-Cable	JH694A
	HPE X240 10G SFP+ SFP+ 3m DAC C-Cable	JH695A

Configuration

Note 3 Localization (Wall Power Cord) required on orders without #B2B, #B2C (PDU Power Cord) or #B2E. (See Localization Menu)

Remarks: OCA Only Model Selection Form -
HPE Offering > Aruba > OfficeConnect - Unmanaged Switch: 1420 Switch Series

Transceivers

SFP Transceivers

HPE X120 1G SFP RJ45 T Transceiver	JD089B
HPE X120 1G SFP LC SX Transceiver	JD118B
HPE X120 1G SFP LC LX Transceiver	JD119B

SFP+ Transceivers

HPE X130 10G SFP+ LC SR Transceiver	JD092B
HPE X130 10G SFP+ LC LR Transceiver	JD094B
HPE X240 10G SFP+ SFP+ 0.65m DAC C-Cable	JH693A
HPE X240 10G SFP+ SFP+ 1.2m DAC C-Cable	JH694A
HPE X240 10G SFP+ SFP+ 3m DAC C-Cable	JH695A

Technical Specifications

HPE OfficeConnect 1420 16G Switch (JH016A)

I/O ports and slots	16 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); Media Type: Auto-MDIX; Duplex: 10BASE-T/100BASE-TX: half or full; 1000BASE-T: full only Supports a maximum of 16 autosensing 10/100/1000 ports	
Physical characteristics	**Dimensions**	10.47(w) x 6.38(d) x 1.73(h) in (26.6 x 16.2 x 4.4 cm) (1U height)
	Weight	2.65 lb (1.2 kg)
Memory and processor	1 MB flash; Packet buffer size: 512 KB	
Mounting and enclosure	Mounts in an EIA standard 19-inch telco rack (hardware included); Wall, desktop and under-table mounting	
Performance	**100 Mb Latency**	< 8 µs (LIFO 64-byte packets)
	1000 Mb Latency	< 16 µs (LIFO 64-byte packets)
	Throughput	up to 23.8 Mpps (64-byte packets)
	Switching capacity	32 Gbps
	MAC address table size	8192 entries
Reliability	**MTBF (years)**	153.3
Environment	**Operating temperature**	32°F to 104°F (0°C to 40°C)
	Operating relative humidity	5% to 95%, noncondensing
	Nonoperating/Storage temperature	-40°F to 158°F (-40°C to 70°C)
	Nonoperating/Storage relative humidity	5% to 95%, noncondensing
	Altitude	up to 16,404 ft (5 km)
	Acoustic	Power: 0 dB No fan
Electrical characteristics	**Frequency**	50/60 Hz
	Voltage	100 - 240 VAC, rated
	Current	0.2 A
	Maximum power rating	12 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. This model provides internal power supply. Please select the correct power cord country option.
Safety	CSA 22.2 No. 60950; UL 60950-1; IEC 60950-1; EN 60950-1	
Emissions	FCC Rules Part 15, Subpart B Class A	
Immunity	**Generic**	EN 55022 CISPR 22
	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

Technical Specifications

	Power frequency magnetic field	IEC 61000-4-8
	Voltage dips and interruptions	IEC 61000-4-11
	Harmonics	IEC 61000-3-2
	Flicker	IEC 61000-3-3
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 1420 24G 2SFP Switch (JH017A)

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); Media Type: Auto-MDIX; Duplex: 10BASE-T/100BASE-TX: half or full; 1000BASE-T: full only 2 SFP 100/1000 Mbps ports Supports a maximum of 24 autosensing 10/100/1000 ports plus 2 SFP ports	
Physical characteristics	**Dimensions**	17.32(w) x 6.81(d) x 1.73(h) in (44 x 17.3 x 4.4 cm) (1U height)
	Weight	4.85 lb (2.2 kg)
Memory and processor	1 MB flash; Packet buffer size: 512 KB	
Mounting and enclosure	Mounts in an EIA standard 19-inch telco rack (hardware included); Desktop mounting	
Performance	**100 Mb Latency**	< 8 μs (LIFO 64-byte packets)
	1000 Mb Latency	< 16 μs (LIFO 64-byte packets)
	Throughput	up to 38.7 Mpps (64-byte packets)
	Switching capacity	52 Gbps
	MAC address table size	8192 entries
Reliability	**MTBF (years)**	126.1
Environment	**Operating temperature**	32°F to 104°F (0°C to 40°C)
	Operating relative humidity	5% to 95%, noncondensing
	Nonoperating/Storage temperature	-40°F to 158°F (-40°C to 70°C)
	Nonoperating/Storage relative humidity	5% to 95%, noncondensing
	Altitude	up to 16,404 ft (5 km)
	Acoustic	Power: 0 dB No fan
Electrical characteristics	**Frequency**	50/60 Hz
	Voltage	100 - 240 VAC, rated
	Current	0.3 A
	Maximum power rating	18 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. This model provides internal power supply. Please select the correct power cord country option.
Safety	CSA 22.2 No. 60950; UL 60950-1; IEC 60950-1; EN 60950-1	
Emissions	FCC Rules Part 15, Subpart B Class A	

Technical Specifications

Immunity	**Generic**	EN 55022 CISPR 22
	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	IEC 61000-3-2
	Flicker	IEC 61000-3-3
Notes	Use only supported genuine HPE transceivers 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 1420 24G 2SFP+ Switch (JH018A)

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); Media Type: Auto-MDIX; Duplex: 10BASE-T/100BASE-TX: half or full; 1000BASE-T: full only 2 fixed 1000/10000 SFP+ ports Supports a maximum of 24 autosensing 10/100/1000 ports plus 2 SFP+ ports	
Physical characteristics	**Dimensions**	17.32(w) x 9.37(d) x 1.73(h) in (44 x 23.8 x 4.4 cm) (1U height)
	Weight	6.39 lb (2.9 kg)
Memory and processor	8 MB flash; Packet buffer size: 1.5 MB	
Mounting and enclosure	Mounts in an EIA standard 19-inch telco rack (hardware included); Desktop mounting	
Performance	**100 Mb Latency**	< 8 µs (LIFO 64-byte packets)
	1000 Mb Latency	< 16 µs (LIFO 64-byte packets)
	10 Gbps Latency	< 2 µs (LIFO 64-byte packets)
	Throughput	up to 65.5 Mpps (64-byte packets)
	Switching capacity	88 Gbps
	MAC address table size	16384 entries
Reliability	**MTBF (years)**	109.4
Environment	**Operating temperature**	32°F to 104°F (0°C to 40°C)
	Operating relative humidity	5% to 95%, noncondensing
	Nonoperating/Storage temperature	-40°F to 158°F (-40°C to 70°C)
	Nonoperating/Storage relative humidity	5% to 95%, noncondensing
	Altitude	up to 16,404 ft (5 km)
	Acoustic	Power: 0 dB No fan
Electrical characteristics	**Frequency**	50/60 Hz
	Voltage	100 - 240 VAC, rated

Technical Specifications

	Current	0.4 A
	Maximum power rating	21 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. This model provides internal power supply. Please select the correct power cord country option.
Safety	CSA 22.2 No. 60950; UL 60950-1; IEC 60950-1; EN 60950-1	
Emissions	FCC Rules Part 15, Subpart B Class A	
Immunity	**Generic**	EN 55022 CISPR 22
	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	IEC 61000-3-2
	Flicker	IEC 61000-3-3
Notes	Use only supported genuine HPE transceivers 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 1420 24G PoE+ (124W) Switch (JH019A)

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); Media Type: Auto-MDIX; Duplex: 10BASE-T/100BASE-TX: half or full; 1000BASE-T: full only Supports a maximum of 24 autosensing 10/100/1000 ports	
Physical characteristics	**Dimensions**	17.32(w) x 9.37(d) x 1.73(h) in (44 x 23.8 x 4.4 cm) (1U height)
	Weight	7.28 lb (3.3 kg)
Memory and processor	1 MB flash; Packet buffer size: 512 KB	
Mounting and enclosure	Mounts in an EIA standard 19-inch telco rack (hardware included); Desktop mounting	
Performance	**100 Mb Latency**	< 8 µs (LIFO 64-byte packets)
	1000 Mb Latency	< 16 µs (LIFO 64-byte packets)
	Throughput	up to 35.7 Mpps (64-byte packets)
	Switching capacity	48 Gbps
	MAC address table size	8192 entries
Reliability	**MTBF (years)**	69.9
Environment	**Operating temperature**	32°F to 104°F (0°C to 40°C)
	Operating relative humidity	5% to 95%, noncondensing

Technical Specifications

	Nonoperating/Storage temperature	-40°F to 158°F (-40°C to 70°C)
	Nonoperating/Storage relative humidity	5% to 95%, noncondensing
	Altitude	up to 16,404 ft (5 km)
	Acoustic	Power: 0 dB No fan
Electrical characteristics	**Frequency**	50/60 Hz
	Voltage	100 - 240 VAC, rated
	Current	0.3/1.8 A
	Maximum power rating	160 W
	PoE power	124 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 a External Power Supply (EPS). This product provides PoE or PoE+ power across 12 of 24 ports, with a total power budget of 124W. This model is designed with internal power supply. Please select the correct power cord country option.
Safety	CSA 22.2 No. 60950; UL 60950-1; IEC 60950-1; EN 60950-1	
Emissions	FCC Rules Part 15, Subpart B Class A	
Immunity	**Generic**	EN 55022 CISPR 22
	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	IEC 61000-3-2
	Flicker	IEC 61000-3-3
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 1420 5G Switch (JH327A)

I/O ports and slots	5 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); Media Type: Auto-MDIX; Duplex: 10BASE-T/100BASE-TX: half or full; 1000BASE-T: full only	
Physical characteristics	**Dimensions**	4.52(w) x 3.18(d) x 1.06(h) in (11.48 x 8.08 x 2.69 cm)
	Weight	0.66 lb (0.3 kg)
Memory and processor	Packet buffer size: 1 Mb	

Technical Specifications

Mounting and enclosure	Desktop (rear port)	
Performance	**100 Mb Latency**	< 3 µs
	1000 Mb Latency	< 2.6 µs
	Throughput	up to 7.4 Mpps
	Routing/Switching capacity	10 Gbps
	MAC address table size	2048 entries
Environment	**Operating temperature**	32°F to 104°F (0°C to 40°C)
	Operating relative humidity	15% to 95%, noncondensing
	Nonoperating/Storage temperature	-40°F to 158°F (-40°C to 70°C)
	Nonoperating/Storage relative humidity	15% to 95%, noncondensing
	Acoustic	Fanless
Electrical characteristics	**Frequency**	50/60 Hz
	Voltage	100 - 240 VAC, rated
	Maximum power rating	3.0 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. 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	UL 60950; IEC 60950-1; EN 60950-1; CAN/CSA-C22.2 No. 60950-1-03	
Emissions	FCC Rules Part 15, Subpart B Class A	
Immunity	**Generic**	EN 55022 CISPR 22
	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	IEC 61000-3-2
	Flicker	IEC 61000-3-3
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 1420 5G POE+ (32W) Switch (JH328A)

Technical Specifications

I/O ports and slots	5 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); Media Type: Auto-MDIX; Duplex: 10BASE-T/100BASE-TX: half or full; 1000BASE-T: full only	
Physical characteristics	**Dimensions**	6.21(w) x 4.13(d) x 1.06(h) in (15.77 x 10.49 x 2.69 cm)
	Weight	1.10 lb (0.5 kg)
Memory and processor	Packet buffer size: 1 Mb	
Mounting and enclosure	Desktop (rear port)	
Performance	**100 Mb Latency**	< 3 µs
	1000 Mb Latency	< 2.6 µs
	Throughput	up to 7.4 Mpps
	Routing/Switching capacity	10 Gbps
	MAC address table size	2048 entries
Environment	**Operating temperature**	32°F to 104°F (0°C to 40°C)
	Operating relative humidity	15% to 95%, noncondensing
	Nonoperating/Storage temperature	-40°F to 158°F (-40°C to 70°C)
	Nonoperating/Storage relative humidity	15% to 95%, noncondensing
	Acoustic	Fanless
Electrical characteristics	**Frequency**	50/60 Hz
	Voltage	100 - 240 VAC, rated Powered by PoE
	Maximum power rating	40 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. 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 a External Power Supply (EPS). 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 External Power Supply (EPS). This product provides PoE or PoE+ power across 4 of 5 ports, with a total power budget of 32W. Please select the correct power cord country option.
Safety	UL 60950; IEC 60950-1; EN 60950-1; CAN/CSA-C22.2 No. 60950-1-03	
Emissions	FCC Rules Part 15, Subpart B Class A	
Immunity	**Generic**	EN 55022 CISPR 22
	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

Technical Specifications

	Power frequency magnetic field	IEC 61000-4-8
	Voltage dips and interruptions	IEC 61000-4-11
	Harmonics	IEC 61000-3-2
	Flicker	IEC 61000-3-3
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 1420 8G Switch (JH329A)

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); Media Type: Auto-MDIX; Duplex: 10BASE-T/100BASE-TX: half or full; 1000BASE-T: full only Supports a maximum of 8 autosensing 10/100/1000 ports	
Physical characteristics	**Dimensions**	6.21(w) x 4.13(d) x 1.06(h) in (15.77 x 10.49 x 2.69 cm)
	Weight	1.10 lb (0.5 kg)
Memory and processor	Packet buffer size: 1.5 Mb	
Mounting and enclosure	Desktop (rear port)	
Performance	**100 Mb Latency**	< 3 µs
	1000 Mb Latency	< 2.6 µs
	Throughput	up to 11.8 Mpps
	Routing/Switching capacity	16 Gbps
	MAC address table size	4096 entries
Environment	**Operating temperature**	32°F to 104°F (0°C to 40°C)
	Operating relative humidity	15% to 95% @ 104°F (40°C), noncondensing
	Nonoperating/Storage temperature	-40°F to 158°F (-40°C to 70°C)
	Nonoperating/Storage relative humidity	15% to 95% @ 104°F (40°C), noncondensing
	Acoustic	Fanless
Electrical characteristics	**Frequency**	50/60 Hz
	Voltage	100 - 240 VAC, rated
	Maximum power rating	4.5 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. 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	EN 60950/IEC 60950; UL 60950; IEC 60950-1; EN 60950-1; CAN/CSA-C22.2 No. 60950-1-03	
Emissions	FCC Rules Part 15, Subpart B Class A	
Immunity	**Generic**	EN 55022 CISPR 22

Technical Specifications

	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	IEC 61000-3-2
	Flicker	IEC 61000-3-3
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 1420 8G PoE+ (64W) Switch (JH330A)

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); Media Type: Auto-MDIX; Duplex: 10BASE-T/100BASE-TX: half or full; 1000BASE-T: full only Supports a maximum of 8 autosensing 10/100/1000 ports	
Physical characteristics	**Dimensions**	9.24(w) x 4.13(d) x 1.06(h) in (23.47 x 10.49 x 2.69 cm)
	Weight	1.54 lb (0.7 kg)
Memory and processor	Packet buffer size: 1.5 Mb	
Mounting and enclosure	Desktop (rear port)	
Performance	**100 Mb Latency**	< 3 µs
	1000 Mb Latency	< 2.6 µs
	Throughput	up to 11.8 Mpps
	Routing/Switching capacity	16 Gbps
	MAC address table size	4096 entries
Environment	**Operating temperature**	32°F to 104°F (0°C to 40°C)
	Operating relative humidity	15% to 95% @ 104°F (40°C), noncondensing
	Nonoperating/Storage temperature	-40°F to 158°F (-40°C to 70°C)
	Nonoperating/Storage relative humidity	15% to 95% @ 104°F (40°C), noncondensing
	Altitude	up to 10,000 ft (3 km)
	Acoustic	Fanless
Electrical characteristics	**Frequency**	50/60 Hz
	Voltage	100 - 240 VAC, rated
	Maximum power rating	80 W
	PoE power	64 W PoE+
	Notes	Maximum power rating and maximum heat dissipation are the worst-case theoretical maximum numbers provided for planning the

Technical Specifications

		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 a External Power Supply (EPS). 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 External Power Supply (EPS). This product provides PoE or PoE+ power across all 8 ports, with a total power budget of 64W. Please select the correct power cord country option.
Safety	CSA 22.2 No. 60950; EN 60950/IEC 60950; UL 60950-1	
Emissions	FCC Rules Part 15, Subpart B Class A	
Immunity	**Generic**	EN 55022 CISPR 22
	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	IEC 61000-3-2
	Flicker	IEC 61000-3-3
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 1420 24G Switch (JG708B)

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); Media Type: Auto-MDIX; Duplex: 10BASE-T/100BASE-TX: half or full; 1000BASE-T: full only Supports a maximum of 24 autosensing 10/100/1000 ports	
Physical characteristics	**Dimensions**	17.32(w) x 6.81(d) x 1.73(h) in (44 x 17.3 x 4.4 cm) (1U height)
	Weight	6.61 lb (3 kg)
Memory and processor	1 MB flash; Packet buffer size: 512 KB	
Mounting and enclosure	Mounts in an EIA standard 19-inch telco rack (hardware included); Desktop mounting	
Performance	**100 Mb Latency**	< 8.0 µs (LIFO 64-byte packets)
	1000 Mb Latency	< 16 µs (LIFO 64-byte packets)
	Throughput	up to 35.7 Mpps (64-byte packets)
	Switching capacity	48 Gbps
	MAC address table size	8192 entries
Environment	**Operating temperature**	32°F to 104°F (0°C to 40°C)
	Operating relative humidity	5% to 95% @ 104°F (40°C), noncondensing

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	Nonoperating/Storage temperature	-40°F to 158°F (-40°C to 70°C)
	Nonoperating/Storage relative humidity	5% to 90% @ 149°F (65°C), noncondensing
	Altitude	up to 16,404 ft (5 km)
	Acoustic	Power: 0 dB No fan
Electrical characteristics	**Frequency**	50/60 Hz
	Maximum heat dissipation	55 BTU/hr (58 kJ/hr)
	Voltage	100 - 240 VAC, rated
	Current	0.3 A
	Maximum power rating	16 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. This model provides internal power supply. Please select the correct power cord country option.
Safety	CSA 22.2 No. 60950; UL 60950-1; IEC 60950-1; EN 60950-1	
Emissions	FCC Rules Part 15, Subpart B Class A	
Immunity	**Generic**	EN 55022 CISPR 22
	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	IEC 61000-3-2
	Flicker	IEC 61000-3-3
Notes	HP 1410-24G-R Switch (JG708A), HPE OfficeConnect 1410 16 Switch (J9662A) and HPE OfficeConnect 1410 24 Switch (J9663A) Switches.	
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)	**General protocols** IEEE 802.1p Priority IEEE 802.3ab 1000BASE-T IEEE 802.3ae 10-Gigabit Ethernet IEEE 802.3af Power over Ethernet IEEE 802.3at Power over Ethernet Plus IEEE 802.3az Energy Efficient Ethernet IEEE 802.3i 10BASE-T Ethernet over twisted pair IEEE 802.3u 100BASE-TX Fast Ethernet, 100BASE-FX with autonegotiation

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IEEE 802.3x Flow Control
IEEE 802.3z 1000BASE-X Gigabit Ethernet over fiber

Accessories

HPE OfficeConnect 1420 Switch Series accessories

Cables

HPE LC to LC Multi-mode OM3 2-Fiber 0.5m 1-Pack Fiber Optic Cable	AJ833A
HPE LC to LC Multi-mode OM3 2-Fiber 1.0m 1-Pack Fiber Optic Cable	AJ834A
HPE LC to LC Multi-mode OM3 2-Fiber 2.0m 1-Pack Fiber Optic Cable	AJ835A
HPE LC to LC Multi-mode OM3 2-Fiber 5.0m 1-Pack Fiber Optic Cable	AJ836A
HPE LC to LC Multi-mode OM3 2-Fiber 15.0m 1-Pack Fiber Optic Cable	AJ837A
HPE LC to LC Multi-mode OM3 2-Fiber 30.0m 1-Pack Fiber Optic Cable	AJ838A
HPE LC to LC Multi-mode OM3 2-Fiber 50.0m 1-Pack Fiber Optic Cable	AJ839A
HPE Premier Flex LC/LC Multi-mode OM4 2 fiber 1m Cable	QK732A
HPE Premier Flex LC/LC Multi-mode OM4 2 fiber 2m Cable	QK733A
HPE Premier Flex LC/LC Multi-mode OM4 2 fiber 5m Cable	QK734A
HPE Premier Flex LC/LC Multi-mode OM4 2 fiber 15m Cable	QK735A
HPE Premier Flex LC/LC Multi-mode OM4 2 fiber 30m Cable	QK736A
HPE Premier Flex LC/LC Multi-mode OM4 2 fiber 50m Cable	QK737A

HPE OfficeConnect 1420 24G 2SFP Switch (JH017A)

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
Aruba 100M SFP LC FX 2km MMF Transceiver	J9054D
HPE X120 1G SFP RJ45 T Transceiver	JD089B
HPE X120 1G SFP LC SX Transceiver	JD118B
HPE X120 1G SFP LC LX Transceiver	JD119B

HPE OfficeConnect 1420 24G 2SFP+ Switch (JH018A)

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
Aruba 100M SFP LC FX 2km MMF Transceiver	J9054D
HPE X240 10G SFP+ to SFP+ 0.65m Direct Attach Copper Campus-Cable	JH693A
HPE X240 10G SFP+ to SFP+ 1.2m Direct Attach Copper Campus-Cable	JH694A
HPE X240 10G SFP+ to SFP+ 3m Direct Attach Copper Campus-Cable	JH695A
HPE X120 1G SFP RJ45 T Transceiver	JD089B
HPE X130 10G SFP+ LC SR Transceiver	JD092B
HPE X130 10G SFP+ LC LR Transceiver	JD094B
HPE X120 1G SFP LC SX Transceiver	JD118B
HPE X120 1G SFP LC LX Transceiver	JD119B

Summary of Changes

Date	Version History	Action	Description of Change
07-May-2018	Version 9	Changed	Configuration and Accessories updated
04-Sep-2017	Version 8	Changed	Updates made on Features and benefits
12-Aug-2016	Version 7	Added	SKU added to Accessories section: JD102B
		Changed	SKU descriptions updated, Overview section updated
10-June-2016	Version 6	Changed	Minor edits made on Technical Specifications.
06-Jun-2016	Version 5	Added	Models added: JH327A, JH328A, JH329A, JH330A
15-Apr-2016	Version 4	Changed	QS name changed to HPE OfficeConnect 1420 Switch Series; SKU descriptions updated
31-Mar-2016	Version 3	Added	Models added: JG708B
		Changed	Product overview updated
01-Dec-2015	Version 2	Changed	Overview, Features and Benefits and Technical Specifications updated.
18-May-2015	Version 1	Created	Document creation

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