

### 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 includes nine Gigabit switches. All have 10/100/1000 ports for affordable Gigabit connections using copper Cat 5e cabling. There is a 16-port RJ45-only model. There is a 24-port model with two SFP Gigabit ports, ideal where long distances require fiber-based connections. Another 24-port model supports IEEE 802.3at PoE+ on 12 of its ports, able to forward up to 30 W power on these ports to power access points, IP phones, IP cameras, and other PoE-enabled devices.

## Overview

For cost-effective high-speed fiber-based server connections, there is a 24-port 10/100/1000 switch with two SFP+ 10-Gigabit ports.

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 covering the unit and power supplies.

## 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

## Overview

- **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)

- **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**  
HPE OfficeConnect 1420 Switch Series includes a Limited Lifetime Warranty. This warranty provides advance hardware replacement with next business day shipment in most countries, limited 24x7 telephone support available from HPE for the first 90 days, and limited electronic and business hours telephone support is available from HPE for the entire warranty period

## 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	JG708B
<ul style="list-style-type: none"> <li>• 24 RJ-45 autosensing 10/100/1000 ports</li> <li>• 1U - Height</li> </ul>	See Configuration
	<b>NOTE:3</b>
PDU Cable NA/MEX/TW/JP	JG708B#B2B
<ul style="list-style-type: none"> <li>• C15 PDU Jumper Cord (NA/MEX/TW/JP)</li> </ul>	
PDU Cable NA/MEX/TW/JP	JG708B#B2C
<ul style="list-style-type: none"> <li>• C15 PDU Jumper Cord (ROW)</li> </ul>	
High Volt Switch/Router to Wall Power Cord	JG708B#B2E
<ul style="list-style-type: none"> <li>• NEMA L6-20P Cord (NA/MEX/JP/TW)</li> </ul>	
HPE OfficeConnect 1420 5G Switch	JH327A
<ul style="list-style-type: none"> <li>• 5 RJ-45 autosensing 10/100/1000 ports</li> <li>• 1U - Height</li> </ul>	See Configuration
	<b>NOTE:3</b>
PDU Cable NA/MEX/TW/JP	JH327A#B2B
<ul style="list-style-type: none"> <li>• C15 PDU Jumper Cord (NA/MEX/TW/JP)</li> </ul>	
PDU Cable NA/MEX/TW/JP	JH327A#B2C
<ul style="list-style-type: none"> <li>• C15 PDU Jumper Cord (ROW)</li> </ul>	
High Volt Switch/Router to Wall Power Cord	JH327A#B2E
<ul style="list-style-type: none"> <li>• NEMA L6-20P Cord (NA/MEX/JP/TW)</li> </ul>	
HPE OfficeConnect 1420 5G PoE+ (32W) Switch	JH328A
<ul style="list-style-type: none"> <li>• 5 RJ-45 autosensing 10/100/1000 ports</li> <li>• 1U - Height</li> </ul>	See Configuration
	<b>NOTE:3</b>
PDU Cable NA/MEX/TW/JP	JH328A#B2B
<ul style="list-style-type: none"> <li>• C15 PDU Jumper Cord (NA/MEX/TW/JP)</li> </ul>	
PDU Cable NA/MEX/TW/JP	JH328A#B2C
<ul style="list-style-type: none"> <li>• C15 PDU Jumper Cord (ROW)</li> </ul>	

## Configuration

High Volt Switch/Router to Wall Power Cord	JH328A#B2E
<ul style="list-style-type: none"> <li>NEMA L6-20P Cord (NA/MEX/JP/TW)</li> </ul>	
HPE OfficeConnect 1420 8G Switch	JH329A
<ul style="list-style-type: none"> <li>8 RJ-45 autosensing 10/100/1000 ports</li> <li>1U - Height</li> </ul>	See Configuration
	<b>NOTE: 3</b>
PDU Cable NA/MEX/TW/JP	JH329A#B2B
<ul style="list-style-type: none"> <li>C15 PDU Jumper Cord (NA/MEX/TW/JP)</li> </ul>	
PDU Cable NA/MEX/TW/JP	JH329A#B2C
<ul style="list-style-type: none"> <li>C15 PDU Jumper Cord (ROW)</li> </ul>	
High Volt Switch/Router to Wall Power Cord	JH329A#B2E
<ul style="list-style-type: none"> <li>NEMA L6-20P Cord (NA/MEX/JP/TW)</li> </ul>	
HPE OfficeConnect 1420 8G PoE+ (64W) Switch	JH330A
<ul style="list-style-type: none"> <li>8 RJ-45 autosensing 10/100/1000 ports</li> <li>1U - Height</li> </ul>	See Configuration
	<b>NOTE: 3</b>
PDU Cable NA/MEX/TW/JP	JH330A#B2B
<ul style="list-style-type: none"> <li>C15 PDU Jumper Cord (NA/MEX/TW/JP)</li> </ul>	
PDU Cable NA/MEX/TW/JP	JH330A#B2C
<ul style="list-style-type: none"> <li>C15 PDU Jumper Cord (ROW)</li> </ul>	
High Volt Switch/Router to Wall Power Cord	JH330A#B2E
<ul style="list-style-type: none"> <li>NEMA L6-20P Cord (NA/MEX/JP/TW)</li> </ul>	
HPE OfficeConnect 1420 16G Switch	JH016A
<ul style="list-style-type: none"> <li>16 RJ-45 autosensing 10/100/1000 ports</li> <li>1U - Height</li> </ul>	See Configuration
	<b>NOTE: 3</b>
PDU Cable NA/MEX/TW/JP	JH016A#B2B
<ul style="list-style-type: none"> <li>C15 PDU Jumper Cord (NA/MEX/TW/JP)</li> </ul>	
PDU Cable NA/MEX/TW/JP	JH016A#B2C
<ul style="list-style-type: none"> <li>C15 PDU Jumper Cord (ROW)</li> </ul>	
High Volt Switch/Router to Wall Power Cord	JH016A#B2E
<ul style="list-style-type: none"> <li>NEMA L6-20P Cord (NA/MEX/JP/TW)</li> </ul>	

## Configuration

HPE OfficeConnect 1420 24G 2SFP Switch	JH017A
<ul style="list-style-type: none"><li>• 24 RJ-45 autosensing 10/100/1000 ports</li><li>• 2 SFP 100/1000 Mbps ports</li><li>• min=0 \ max=2 SFP Transceivers</li><li>• 1U - Height</li></ul>	See Configuration <b>NOTE: 1, 3</b>
PDU Cable NA/MEX/TW/JP	JH017A#B2B
<ul style="list-style-type: none"><li>• C15 PDU Jumper Cord (NA/MEX/TW/JP)</li></ul>	
PDU Cable NA/MEX/TW/JP	JH017A#B2C
<ul style="list-style-type: none"><li>• C15 PDU Jumper Cord (ROW)</li></ul>	
High Volt Switch/Router to Wall Power Cord	JH017A#B2E
<ul style="list-style-type: none"><li>• NEMA L6-20P Cord (NA/MEX/JP/TW)</li></ul>	
HPE OfficeConnect 1420 24G 2SFP+ Switch	JH018A
<ul style="list-style-type: none"><li>• 24 RJ-45 autosensing 10/100/1000 ports</li><li>• 2 fixed 1000/10000 SFP+ ports</li><li>• min=0 \ max=2 SFP+ Transceivers</li><li>• 1U - Height</li></ul>	See Configuration <b>NOTE: 1, 2</b>
PDU Cable NA/MEX/TW/JP	JH018A#B2B
<ul style="list-style-type: none"><li>• C15 PDU Jumper Cord (NA/MEX/TW/JP)</li></ul>	
PDU Cable NA/MEX/TW/JP	JH018A#B2C
<ul style="list-style-type: none"><li>• C15 PDU Jumper Cord (ROW)</li></ul>	
High Volt Switch/Router to Wall Power Cord	JH018A#B2E
<ul style="list-style-type: none"><li>• NEMA L6-20P Cord (NA/MEX/JP/TW)</li></ul>	
HPE OfficeConnect 1420 24G PoE+ (124W) Switch	JH019A
<ul style="list-style-type: none"><li>• 24 RJ-45 autosensing 10/100/1000 ports</li><li>• 1U - Height</li></ul>	See Configuration <b>NOTE: 3</b>
PDU Cable NA/MEX/TW/JP	JH019A#B2B
<ul style="list-style-type: none"><li>• C15 PDU Jumper Cord (NA/MEX/TW/JP)</li></ul>	
PDU Cable NA/MEX/TW/JP	JH019A#B2C
<ul style="list-style-type: none"><li>• C15 PDU Jumper Cord (ROW)</li></ul>	
High Volt Switch/Router to Wall Power Cord	JH019A#B2E
<ul style="list-style-type: none"><li>• NEMA L6-20P Cord (NA/MEX/JP/TW)</li></ul>	

## Configuration

### Configuration Rules:

- Note 1**                    **The following Transceivers install into this switch:**
- |                                    |        |
|------------------------------------|--------|
| HPE X121 1G SFP LC SX Transceiver  | J4858C |
| HPE X121 1G SFP LC LX Transceiver  | J4859C |
| HPE X121 1G SFP RJ45 T Transceiver | J8177C |
| 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 X132 10G SFP+ LC SR Transceiver                     | J9150A |
| HPE X130 10G SFP+ LC SR Transceiver                     | JD092B |
| HPE X130 10G SFP+ LC LR Transceiver                     | JD094B |
| HPE X242 10G SFP+ to SFP+ 1m Direct Attach Copper Cable | J9281B |
| HPE X242 10G SFP+ to SFP+ 3m Direct Attach Copper Cable | J9283B |
- Note 3**                    **Localization (Wall Power Cord) required on orders without #B2B, #B2C (PDU Power Cord) or #B2E. (See Localization Menu)**

## Transceivers

### SFP Transceivers

HPE X121 1G SFP LC SX Transceiver	J4858C
HPE X121 1G SFP LC LX Transceiver	J4859C
HPE X121 1G SFP RJ45 T Transceiver	J8177C
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 X132 10G SFP+ LC SR Transceiver	J9150A
HPE X130 10G SFP+ LC SR Transceiver	JD092B
HPE X130 10G SFP+ LC LR Transceiver	JD094B
HPE X242 10G SFP+ to SFP+ 1m Direct Attach Copper Cable	J9281B
HPE X242 10G SFP+ to SFP+ 3m Direct Attach Copper Cable	J9283B

### Internal or External Power Supplies (Model Dependant)

Power Supplies included

## Cables

## Configuration

### Multi-Mode Cables

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



## Technical Specifications

### HPE OfficeConnect 1420 16G Switch (JH016A)

<b>I/O ports and slots</b>	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	
<b>Physical characteristics</b>	<b>Dimensions</b>	10.47(w) x 6.38(d) x 1.73(h) in (26.6 x 16.2 x 4.4 cm) (1U height)
	<b>Weight</b>	2.65 lb (1.2 kg)
<b>Memory and processor</b>	1 MB flash; Packet buffer size: 512 KB	
<b>Mounting and enclosure</b>	Mounts in an EIA standard 19-inch telco rack (hardware included); Wall, desktop and under-table mounting	
<b>Performance</b>	<b>100 Mb Latency</b>	< 8 $\mu$ s (LIFO 64-byte packets)
	<b>1000 Mb Latency</b>	< 16 $\mu$ s (LIFO 64-byte packets)
	<b>Throughput</b>	up to 23.8 Mpps (64-byte packets)
	<b>Switching capacity</b>	32 Gbps
	<b>MAC address table size</b>	8192 entries
<b>Reliability</b>	<b>MTBF (years)</b>	153.3
<b>Environment</b>	<b>Operating temperature</b>	32°F to 104°F (0°C to 40°C)
	<b>Operating relative humidity</b>	5% to 95%, noncondensing
	<b>Nonoperating/Storage temperature</b>	-40°F to 158°F (-40°C to 70°C)
	<b>Nonoperating/Storage relative humidity</b>	5% to 95%, noncondensing
	<b>Altitude</b>	up to 16,404 ft (5 km)
	<b>Acoustic</b>	Power: 0 dB No fan
<b>Electrical characteristics</b>	<b>Frequency</b>	50/60 Hz
	<b>Voltage</b>	100 - 240 VAC, rated
	<b>Current</b>	0.2 A
	<b>Maximum power rating</b>	12 W
	<b>Notes</b>	<b>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.</b>
<b>Safety</b>	CSA 22.2 No. 60950; UL 60950-1; IEC 60950-1; EN 60950-1	
<b>Emissions</b>	FCC Rules Part 15, Subpart B Class A	
<b>Immunity</b>	<b>Generic</b>	EN 55022 CISPR 22
	<b>EN</b>	EN 55024, CISPR 24
	<b>ESD</b>	IEC 61000-4-2

## Technical Specifications

<b>Radiated</b>	IEC 61000-4-3
<b>EFT/Burst</b>	IEC 61000-4-4
<b>Surge</b>	IEC 61000-4-5
<b>Conducted</b>	IEC 61000-4-6
<b>Power frequency magnetic field</b>	IEC 61000-4-8
<b>Voltage dips and interruptions</b>	IEC 61000-4-11
<b>Harmonics</b>	IEC 61000-3-2
<b>Flicker</b>	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.

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### HPE OfficeConnect 1420 24G 2SFP Switch (JH017A)

<b>I/O ports and slots</b>	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	
<b>Physical characteristics</b>	<b>Dimensions</b>	17.32(w) x 6.81(d) x 1.73(h) in (44 x 17.3 x 4.4 cm) (1U height)
	<b>Weight</b>	4.85 lb (2.2 kg)
<b>Memory and processor</b>	1 MB flash; Packet buffer size: 512 KB	
<b>Mounting and enclosure</b>	Mounts in an EIA standard 19-inch telco rack (hardware included); Desktop mounting	
<b>Performance</b>	<b>100 Mb Latency</b>	< 8 $\mu$ s (LIFO 64-byte packets)
	<b>1000 Mb Latency</b>	< 16 $\mu$ s (LIFO 64-byte packets)
	<b>Throughput</b>	up to 38.7 Mpps (64-byte packets)
	<b>Switching capacity</b>	52 Gbps
	<b>MAC address table size</b>	8192 entries
<b>Reliability</b>	<b>MTBF (years)</b>	126.1
<b>Environment</b>	<b>Operating temperature</b>	32°F to 104°F (0°C to 40°C)
	<b>Operating relative humidity</b>	5% to 95%, noncondensing
	<b>Nonoperating/Storage temperature</b>	-40°F to 158°F (-40°C to 70°C)
	<b>Nonoperating/Storage relative humidity</b>	5% to 95%, noncondensing
	<b>Altitude</b>	up to 16,404 ft (5 km)
	<b>Acoustic</b>	Power: 0 dB No fan
<b>Electrical characteristics</b>	<b>Frequency</b>	50/60 Hz
	<b>Voltage</b>	100 - 240 VAC, rated
	<b>Current</b>	0.3 A

## Technical Specifications

<b>Maximum power rating</b>	18 W
<b>Notes</b>	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

<b>Immunity</b>	<b>Generic</b>	EN 55022 CISPR 22
	<b>EN</b>	EN 55024, CISPR 24
	<b>ESD</b>	IEC 61000-4-2
	<b>Radiated</b>	IEC 61000-4-3
	<b>EFT/Burst</b>	IEC 61000-4-4
	<b>Surge</b>	IEC 61000-4-5
	<b>Conducted</b>	IEC 61000-4-6
	<b>Power frequency magnetic field</b>	IEC 61000-4-8
	<b>Voltage dips and interruptions</b>	IEC 61000-4-11
	<b>Harmonics</b>	IEC 61000-3-2
	<b>Flicker</b>	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.

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

<b>I/O ports and slots</b>	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	
<b>Physical characteristics</b>	<b>Dimensions</b>	17.32(w) x 9.37(d) x 1.73(h) in (44 x 23.8 x 4.4 cm) (1U height)
	<b>Weight</b>	6.39 lb (2.9 kg)
<b>Memory and processor</b>	8 MB flash; Packet buffer size: 1.5 MB	
<b>Mounting and enclosure</b>	Mounts in an EIA standard 19-inch telco rack (hardware included); Desktop mounting	
<b>Performance</b>	<b>100 Mb Latency</b>	< 8 $\mu$ s (LIFO 64-byte packets)
	<b>1000 Mb Latency</b>	< 16 $\mu$ s (LIFO 64-byte packets)
	<b>10 Gbps Latency</b>	< 2 $\mu$ s (LIFO 64-byte packets)
	<b>Throughput</b>	up to 65.5 Mpps (64-byte packets)
	<b>Switching capacity</b>	88 Gbps
	<b>MAC address table size</b>	16384 entries

## Technical Specifications

<b>Reliability</b>	<b>MTBF (years)</b>	109.4
<b>Environment</b>	<b>Operating temperature</b>	32°F to 104°F (0°C to 40°C)
	<b>Operating relative humidity</b>	5% to 95%, noncondensing
	<b>Nonoperating/Storage temperature</b>	-40°F to 158°F (-40°C to 70°C)
	<b>Nonoperating/Storage relative humidity</b>	5% to 95%, noncondensing
	<b>Altitude</b>	up to 16,404 ft (5 km)
	<b>Acoustic</b>	Power: 0 dB No fan
<b>Electrical characteristics</b>	<b>Frequency</b>	50/60 Hz
	<b>Voltage</b>	100 - 240 VAC, rated
	<b>Current</b>	0.4 A
	<b>Maximum power rating</b>	21 W
	<b>Notes</b>	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.
<b>Safety</b>	CSA 22.2 No. 60950; UL 60950-1; IEC 60950-1; EN 60950-1	
<b>Emissions</b>	FCC Rules Part 15, Subpart B Class A	
<b>Immunity</b>	<b>Generic</b>	EN 55022 CISPR 22
	<b>EN</b>	EN 55024, CISPR 24
	<b>ESD</b>	IEC 61000-4-2
	<b>Radiated</b>	IEC 61000-4-3
	<b>EFT/Burst</b>	IEC 61000-4-4
	<b>Surge</b>	IEC 61000-4-5
	<b>Conducted</b>	IEC 61000-4-6
	<b>Power frequency magnetic field</b>	IEC 61000-4-8
	<b>Voltage dips and interruptions</b>	IEC 61000-4-11
	<b>Harmonics</b>	IEC 61000-3-2
<b>Flicker</b>	IEC 61000-3-3	

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**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.

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### 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

## Technical Specifications

full; 1000BASE-T: full only

Supports a maximum of 24 autosensing 10/100/1000 ports

<b>Physical characteristics</b>	<b>Dimensions</b>	17.32(w) x 9.37(d) x 1.73(h) in (44 x 23.8 x 4.4 cm) (1U height)
	<b>Weight</b>	7.28 lb (3.3 kg)
<b>Memory and processor</b>	1 MB flash; Packet buffer size: 512 KB	
<b>Mounting and enclosure</b>	Mounts in an EIA standard 19-inch telco rack (hardware included); Desktop mounting	
<b>Performance</b>	<b>100 Mb Latency</b>	< 8 $\mu$ s (LIFO 64-byte packets)
	<b>1000 Mb Latency</b>	< 16 $\mu$ s (LIFO 64-byte packets)
	<b>Throughput</b>	up to 35.7 Mpps (64-byte packets)
	<b>Switching capacity</b>	48 Gbps
	<b>MAC address table size</b>	8192 entries
<b>Reliability</b>	<b>MTBF (years)</b>	69.9
<b>Environment</b>	<b>Operating temperature</b>	32°F to 104°F (0°C to 40°C)
	<b>Operating relative humidity</b>	5% to 95%, noncondensing
	<b>Nonoperating/Storage temperature</b>	-40°F to 158°F (-40°C to 70°C)
	<b>Nonoperating/Storage relative humidity</b>	5% to 95%, noncondensing
	<b>Altitude</b>	up to 16,404 ft (5 km)
	<b>Acoustic</b>	Power: 0 dB No fan
	<b>Electrical characteristics</b>	<b>Frequency</b>
<b>Voltage</b>		100 - 240 VAC, rated
<b>Current</b>		0.3/1.8 A
<b>Maximum power rating</b>		160 W
<b>PoE power</b>		124 W PoE+
<b>Notes</b>		<p>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.</p> <p>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).</p> <p>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.</p>
<b>Safety</b>	CSA 22.2 No. 60950; UL 60950-1; IEC 60950-1; EN 60950-1	
<b>Emissions</b>	FCC Rules Part 15, Subpart B Class A	
<b>Immunity</b>	<b>Generic</b>	EN 55022 CISPR 22
	<b>EN</b>	EN 55024, CISPR 24
	<b>ESD</b>	IEC 61000-4-2
	<b>Radiated</b>	IEC 61000-4-3

## Technical Specifications

<b>EFT/Burst</b>	IEC 61000-4-4
<b>Surge</b>	IEC 61000-4-5
<b>Conducted</b>	IEC 61000-4-6
<b>Power frequency magnetic field</b>	IEC 61000-4-8
<b>Voltage dips and interruptions</b>	IEC 61000-4-11
<b>Harmonics</b>	IEC 61000-3-2
<b>Flicker</b>	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)

<b>I/O ports and slots</b>	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	
<b>Physical characteristics</b>	<b>Dimensions</b>	4.52(w) x 3.18(d) x 1.06(h) in (11.48 x 8.08 x 2.69 cm)
	<b>Weight</b>	0.66 lb (0.3 kg)
<b>Memory and processor</b>	Packet buffer size: 1 Mb	
<b>Mounting and enclosure</b>	Desktop (rear port)	
<b>Performance</b>	<b>100 Mb Latency</b>	< 3 $\mu$ s
	<b>1000 Mb Latency</b>	< 2.6 $\mu$ s
	<b>Throughput</b>	up to 7.4 Mpps
	<b>Routing/Switching capacity</b>	10 Gbps
	<b>MAC address table size</b>	2048 entries
<b>Environment</b>	<b>Operating temperature</b>	32°F to 104°F (0°C to 40°C)
	<b>Operating relative humidity</b>	15% to 95%, noncondensing
	<b>Nonoperating/Storage temperature</b>	-40°F to 158°F (-40°C to 70°C)
	<b>Nonoperating/Storage relative humidity</b>	15% to 95%, noncondensing
	<b>Acoustic</b>	Fanless
<b>Electrical characteristics</b>	<b>Frequency</b>	50/60 Hz
	<b>Voltage</b>	100 - 240 VAC, rated
	<b>Maximum power rating</b>	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-

## Technical Specifications

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.

<b>Safety</b>	UL 60950; IEC 60950-1; EN 60950-1; CAN/CSA-C22.2 No. 60950-1-03	
<b>Emissions</b>	FCC Rules Part 15, Subpart B Class A	
<b>Immunity</b>	<b>Generic</b>	EN 55022 CISPR 22
	<b>EN</b>	EN 55024, CISPR 24
	<b>ESD</b>	IEC 61000-4-2
	<b>Radiated</b>	IEC 61000-4-3
	<b>EFT/Burst</b>	IEC 61000-4-4
	<b>Surge</b>	IEC 61000-4-5
	<b>Conducted</b>	IEC 61000-4-6
	<b>Power frequency magnetic field</b>	IEC 61000-4-8
	<b>Voltage dips and interruptions</b>	IEC 61000-4-11
	<b>Harmonics</b>	IEC 61000-3-2
<b>Flicker</b>	IEC 61000-3-3	
<b>Services</b>	Refer to the Hewlett Packard Enterprise website at <a href="http://www.hpe.com/networking/services">http://www.hpe.com/networking/services</a> 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.	

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### HPE OfficeConnect 1420 5G POE+ (32W) Switch (JH328A)

<b>I/O ports and slots</b>	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	
<b>Physical characteristics</b>	<b>Dimensions</b>	6.21(w) x 4.13(d) x 1.06(h) in (15.77 x 10.49 x 2.69 cm)
	<b>Weight</b>	1.10 lb (0.5 kg)
<b>Memory and processor</b>	Packet buffer size: 1 Mb	
<b>Mounting and enclosure</b>	Desktop (rear port)	
<b>Performance</b>	<b>100 Mb Latency</b>	< 3 $\mu$ s
	<b>1000 Mb Latency</b>	< 2.6 $\mu$ s
	<b>Throughput</b>	up to 7.4 Mpps
	<b>Routing/Switching capacity</b>	10 Gbps
	<b>MAC address table size</b>	2048 entries
<b>Environment</b>	<b>Operating temperature</b>	32°F to 104°F (0°C to 40°C)
	<b>Operating relative humidity</b>	15% to 95%, noncondensing
	<b>Nonoperating/Storage temperature</b>	-40°F to 158°F (-40°C to 70°C)
	<b>Nonoperating/Storage relative humidity</b>	15% to 95%, noncondensing

## Technical Specifications

	<b>Acoustic</b>	Fanless
<b>Electrical characteristics</b>	<b>Frequency</b>	50/60 Hz
	<b>Voltage</b>	100 - 240 VAC, rated Powered by PoE
	<b>Maximum power rating</b>	40 W
	<b>Notes</b>	<p>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.</p> <p>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).</p> <p>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.</p>
<b>Safety</b>		UL 60950; IEC 60950-1; EN 60950-1; CAN/CSA-C22.2 No. 60950-1-03
<b>Emissions</b>		FCC Rules Part 15, Subpart B Class A
<b>Immunity</b>	<b>Generic</b>	EN 55022 CISPR 22
	<b>EN</b>	EN 55024, CISPR 24
	<b>ESD</b>	IEC 61000-4-2
	<b>Radiated</b>	IEC 61000-4-3
	<b>EFT/Burst</b>	IEC 61000-4-4
	<b>Surge</b>	IEC 61000-4-5
	<b>Conducted</b>	IEC 61000-4-6
	<b>Power frequency magnetic field</b>	IEC 61000-4-8
	<b>Voltage dips and interruptions</b>	IEC 61000-4-11
	<b>Harmonics</b>	IEC 61000-3-2
	<b>Flicker</b>	IEC 61000-3-3
<b>Services</b>		Refer to the Hewlett Packard Enterprise website at <a href="http://www.hpe.com/networking/services">http://www.hpe.com/networking/services</a> 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.

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### HPE OfficeConnect 1420 8G Switch (JH329A)

<b>I/O ports and slots</b>	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
<b>Physical characteristics</b>	<b>Dimensions</b> 6.21(w) x 4.13(d) x 1.06(h) in (15.77 x 10.49 x 2.69 cm)



## Technical Specifications

	<b>Weight</b>	1.10 lb (0.5 kg)
<b>Memory and processor</b>	Packet buffer size: 1.5 Mb	
<b>Mounting and enclosure</b>	Desktop (rear port)	
<b>Performance</b>	<b>100 Mb Latency</b>	< 3 $\mu$ s
	<b>1000 Mb Latency</b>	< 2.6 $\mu$ s
	<b>Throughput</b>	up to 11.8 Mpps
	<b>Routing/Switching capacity</b>	16 Gbps
	<b>MAC address table size</b>	4096 entries
<b>Environment</b>	<b>Operating temperature</b>	32°F to 104°F (0°C to 40°C)
	<b>Operating relative humidity</b>	15% to 95% @ 104°F (40°C), noncondensing
	<b>Nonoperating/Storage temperature</b>	-40°F to 158°F (-40°C to 70°C)
	<b>Nonoperating/Storage relative humidity</b>	15% to 95% @ 104°F (40°C), noncondensing
	<b>Acoustic</b>	Fanless
<b>Electrical characteristics</b>	<b>Frequency</b>	50/60 Hz
	<b>Voltage</b>	100 - 240 VAC, rated
	<b>Maximum power rating</b>	4.5 W
	<b>Notes</b>	<p>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.</p> <p>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.</p>
<b>Safety</b>	EN 60950/IEC 60950; UL 60950; IEC 60950-1; EN 60950-1; CAN/CSA-C22.2 No. 60950-1-03	
<b>Emissions</b>	FCC Rules Part 15, Subpart B Class A	
<b>Immunity</b>	<b>Generic</b>	EN 55022 CISPR 22
	<b>EN</b>	EN 55024, CISPR 24
	<b>ESD</b>	IEC 61000-4-2
	<b>Radiated</b>	IEC 61000-4-3
	<b>EFT/Burst</b>	IEC 61000-4-4
	<b>Surge</b>	IEC 61000-4-5
	<b>Conducted</b>	IEC 61000-4-6
	<b>Power frequency magnetic field</b>	IEC 61000-4-8
	<b>Voltage dips and interruptions</b>	IEC 61000-4-11
	<b>Harmonics</b>	IEC 61000-3-2

## Technical Specifications

**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  $\mu$ s

**1000 Mb Latency** < 2.6  $\mu$ s

**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 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

## Technical Specifications

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.

<b>Safety</b>	CSA 22.2 No. 60950; EN 60950/IEC 60950; UL 60950-1	
<b>Emissions</b>	FCC Rules Part 15, Subpart B Class A	
<b>Immunity</b>	<b>Generic</b>	EN 55022 CISPR 22
	<b>EN</b>	EN 55024, CISPR 24
	<b>ESD</b>	IEC 61000-4-2
	<b>Radiated</b>	IEC 61000-4-3
	<b>EFT/Burst</b>	IEC 61000-4-4
	<b>Surge</b>	IEC 61000-4-5
	<b>Conducted</b>	IEC 61000-4-6
	<b>Power frequency magnetic field</b>	IEC 61000-4-8
	<b>Voltage dips and interruptions</b>	IEC 61000-4-11
	<b>Harmonics</b>	IEC 61000-3-2
<b>Flicker</b>	IEC 61000-3-3	
<b>Services</b>	Refer to the Hewlett Packard Enterprise website at <a href="http://www.hpe.com/networking/services">http://www.hpe.com/networking/services</a> 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.	

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### HPE OfficeConnect 1420 24G Switch (JG708B)

<b>I/O ports and slots</b>	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	
<b>Physical characteristics</b>	<b>Dimensions</b>	17.32(w) x 6.81(d) x 1.73(h) in (44 x 17.3 x 4.4 cm) (1U height)
	<b>Weight</b>	6.61 lb (3 kg)
<b>Memory and processor</b>	1 MB flash; Packet buffer size: 512 KB	
<b>Mounting and enclosure</b>	Mounts in an EIA standard 19-inch telco rack (hardware included); Desktop mounting	
<b>Performance</b>	<b>100 Mb Latency</b>	< 8.0 $\mu$ s (LIFO 64-byte packets)
	<b>1000 Mb Latency</b>	< 16 $\mu$ s (LIFO 64-byte packets)
	<b>Throughput</b>	up to 35.7 Mpps (64-byte packets)
	<b>Switching capacity</b>	48 Gbps
	<b>MAC address table size</b>	8192 entries
<b>Environment</b>	<b>Operating temperature</b>	32°F to 104°F (0°C to 40°C)
	<b>Operating relative humidity</b>	5% to 95% @ 104°F (40°C), noncondensing
	<b>Nonoperating/Storage temperature</b>	-40°F to 158°F (-40°C to 70°C)
	<b>Nonoperating/Storage relative humidity</b>	5% to 90% @ 149°F (65°C), noncondensing

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	<b>Altitude</b>	up to 16,404 ft (5 km)
	<b>Acoustic</b>	Power: 0 dB No fan
<b>Electrical characteristics</b>	<b>Frequency</b>	50/60 Hz
	<b>Maximum heat dissipation</b>	55 BTU/hr (58 kJ/hr)
	<b>Voltage</b>	100 - 240 VAC, rated
	<b>Current</b>	0.3 A
	<b>Maximum power rating</b>	16 W
	<b>Notes</b>	<p>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.</p> <p>This model provides internal power supply. Please select the correct power cord country option.</p>
<b>Safety</b>		CSA 22.2 No. 60950; UL 60950-1; IEC 60950-1; EN 60950-1
<b>Emissions</b>		FCC Rules Part 15, Subpart B Class A
<b>Immunity</b>	<b>Generic</b>	EN 55022 CISPR 22
	<b>EN</b>	EN 55024, CISPR 24
	<b>ESD</b>	IEC 61000-4-2
	<b>Radiated</b>	IEC 61000-4-3
	<b>EFT/Burst</b>	IEC 61000-4-4
	<b>Surge</b>	IEC 61000-4-5
	<b>Conducted</b>	IEC 61000-4-6
	<b>Power frequency magnetic field</b>	IEC 61000-4-8
	<b>Voltage dips and interruptions</b>	IEC 61000-4-11
	<b>Harmonics</b>	IEC 61000-3-2
	<b>Flicker</b>	IEC 61000-3-3
<b>Notes</b>		IEEE 802.3az Energy Efficient Ethernet protocol is supported by the HP 1410-24G-R (JG708A), HPE OfficeConnect 1410 16 Switch (J9662A) and HPE OfficeConnect 1410 24 Switch (J9663A) Switches.
<b>Services</b>		Refer to the Hewlett Packard Enterprise website at <a href="http://www.hpe.com/networking/services">http://www.hpe.com/networking/services</a> 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 General protocols

(Applies to all products in series)	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

## Technical Specifications

IEEE 802.3x Flow Control

IEEE 802.3z 1000BASE-X Gigabit Ethernet over fiber

## Accessories

### HPE OfficeConnect 1420 Cables

#### Switch Series accessories

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

### HPE OfficeConnect 1420 24G 2SFP Switch (JH017A)

HPE X121 1G SFP LC SX Transceiver	J4858C
HPE X121 1G SFP LC LX Transceiver	J4859C
HPE X121 1G SFP RJ45 T Transceiver	J8177C
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)

HPE X121 1G SFP LC SX Transceiver	J4858C
HPE X121 1G SFP LC LX Transceiver	J4859C
HPE X121 1G SFP RJ45 T Transceiver	J8177C
HPE X132 10G SFP+ LC SR Transceiver	J9150A
HPE X242 10G SFP+ to SFP+ 1m Direct Attach Copper Cable	J9281B
HPE X242 10G SFP+ to SFP+ 3m Direct Attach Copper Cable	J9283B
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
HPE X242 40G QSFP+ to QSFP+ 1m Direct Attach Copper Cable	JH234A
HPE X242 40G QSFP+ to QSFP+ 3m Direct Attach Copper Cable	JH235A

## Accessories

### HPE OfficeConnect 1420 5G Switch (JH327A)

HP LC to LC Multi-mode OM3 2-Fiber 2.0m 1-Pack Fiber Optic Cable	AJ835A
HP LC to LC Multi-mode OM3 2-Fiber 5.0m 1-Pack Fiber Optic Cable	AJ836A
HP LC to LC Multi-mode OM3 2-Fiber 15.0m 1-Pack Fiber Optic Cable	AJ837A
HP LC to LC Multi-mode OM3 2-Fiber 30.0m 1-Pack Fiber Optic Cable	AJ838A
HP LC to LC Multi-mode OM3 2-Fiber 50.0m 1-Pack Fiber Optic Cable	AJ839A
HP Premier Flex LC/LC Multi-mode OM4 2 fiber 1m Cable	QK732A
HP Premier Flex LC/LC Multi-mode OM4 2 fiber 2m Cable	QK733A
HP Premier Flex LC/LC Multi-mode OM4 2 fiber 5m Cable	QK734A

### HPE OfficeConnect 1420 5G POE+ (32W) Switch (JH328A)

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

### HPE OfficeConnect 1420 8G Switch (JH329A)

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

## Accessories

### HPE OfficeConnect 1420 8G PoE+ (64W) Switch (JH330A)

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



## Accessory Product Details

**NOTE:** Details are not available for all accessories. The following specifications were available at the time of publication.

**HP LC to LC Multi-mode Cabling**  
**OM3 2-Fiber 0.5m 1-Pack Fiber Optic Cable**  
 (AJ833A)

**Cable type:**

50/125  $\mu\text{m}$  (core/cladding) diameter, multimode fiber optic, with effective modal bandwidth of 2000 MHz/km as detailed in TIA-492AAAC for distances of up to 300 m

**Maximum distance:**

10Gbps Transfer Rate (Ethernet): 300m

**Notes**

Cable Specs: Tight buffered duplex fiber optic multimode OM3 50/125  $\mu\text{m}$  fiber optic cable and Ethernet assembly with LC duplex connectors on one end and LC duplex connectors on other end.

- Dimensions: Core diameter:  $50 \pm 3.0\mu\text{m}$  Cladding diameter:  $125 \pm 2.0\mu\text{m}$  Coating diameter:  $245 \pm 10\mu\text{m}$
- Optical glass: Bandwidth: For LED sources: 1500/500 MHz-km @850/1300nm.
- Optical glass: Bandwidth: For Laser sources: 2000/500 MHz-km @850/1300nm. VCSEL Laser sources: 600 / 600 meters @850/1300nm for Gigabit Ethernet compliant links.
- CABLE: The cable is duplex zipcord graded index 50/125 $\mu\text{m}$  multimode optical fiber and designed to work in both the 850 and 1300 nm wavelength windows.
- BULK CABLE & CABLE ASSEMBLY CONFIGURATION:
- Jacket Material: Riser Grade - Low Smoke Zero Halogen thermoplastic.
- Jacket Color: Aqua for OM3 multimode per TIA 598
- Boot Color: White
- Insertion Loss: less than 0.5 dB @ 850 with LED source, 0.003 dB/M added for lengths > 30 meters.
- Maximum Cable attenuation: 3.0 dB/km @ 850 nm, 1.0 dB/Km @ 1310 nm @ 23°C as tested in accordance with EIA 455-46.
- Weight: Air Packed Weight: 1 LB Net Weight: 0.454Kg

**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.

**HP LC to LC Multi-mode Cabling**  
**OM3 2-Fiber 1.0m 1-Pack Fiber Optic Cable**  
 (AJ834A)

**Cable type:**

50/125  $\mu\text{m}$  (core/cladding) diameter, multimode fiber optic, with effective modal bandwidth of 2000 MHz/km as detailed in TIA-492AAAC for distances of up to 300 m

## Accessory Product Details

### Notes

#### Maximum distance:

10Gbps Transfer Rate (Ethernet): 300m

Cable Specs: Tight buffered duplex fiber optic multimode OM3 50/125  $\mu$ m fiber optic cable and Ethernet assembly with LC duplex connectors on one end and LC duplex connectors on other end.

- Dimensions: Core diameter: 50  $\pm$  3.0 $\mu$ m Cladding diameter: 125  $\pm$  2.0 $\mu$ m Coating diameter: 245  $\pm$  10 $\mu$ m
- Optical Glass Bandwidth: For LED sources: 1500/500 MHz-km @850/1300nm.
- Optical Glass: For Laser sources: 2000/500 MHz-km @850/1300nm. VCSEL Laser sources: Shall achieve 600 / 600 meters @850/1300nm for Gigabit Ethernet compliant links.
- CABLE: The cable is duplex zipcord graded index 50/125 $\mu$ m multimode optical fiber. The cable is designed to work in both the 850 and 1300 nm wavelength windows.
- BULK CABLE & CABLE ASSEMBLY CONFIGURATION:
- Jacket Material: Riser Grade - Low Smoke Zero Halogen thermoplastic.
- Jacket Color: Aqua for OM3 multimode per TIA 598
- Boot Color: White
- Insertion Loss: less than 0.5 dB @ 850 with LED source, 0.003 dB/M added for lengths > 30 meters.
- Maximum Cable attenuation: 3.0 dB/km @ 850 nm, 1.0 dB/Km @ 1310 nm @ 23°C as tested in accordance with EIA 455-46.
- Weight: Air Packed Weight: 1 LB Net Weight: 0.454Kg

### 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.

### HP LC to LC Multi-mode Cabling OM3 2-Fiber 2.0m 1- Pack Fiber Optic Cable (AJ835A)

#### Cable type:

50/125  $\mu$ m (core/cladding) diameter, multimode fiber optic, with effective modal bandwidth of 2000 MHz/km as detailed in TIA-492AAAC for distances of up to 300 m;

#### Maximum distance:

10Gbps Transfer Rate (Ethernet): 300m

### Notes

Cable Specs: Tight buffered duplex fiber optic multimode OM3 50/125  $\mu$ m fiber optic cable and Ethernet assembly with LC duplex connectors on one end and LC duplex connectors on other end.

- Dimensions: Core diameter: 50  $\pm$  3.0 $\mu$ m Cladding diameter: 125  $\pm$  2.0 $\mu$ m Coating diameter: 245  $\pm$  10 $\mu$ m
- Optical Glass Bandwidth: For LED sources: 1500/500 MHz-km @850/1300nm.

## Accessory Product Details

- Optical Glass: For Laser sources: 2000/500 MHz-km @850/1300nm. VCSEL Laser sources: Shall achieve 600 / 600 meters @850/1300nm for Gigabit Ethernet compliant links.
- CABLE: The cable is duplex zipcord graded index 50/125um multimode optical fiber. The cable is designed to work in both the 850 and 1300 nm wavelength windows.
- BULK CABLE & CABLE ASSEMBLY CONFIGURATION:
- Jacket Material: Riser Grade - Low Smoke Zero Halogen thermoplastic.
- Jacket Color: Aqua for OM3 multimode per TIA 598
- Boot Color: White
- Insertion Loss: less than 0.5 dB @ 850 with LED source, 0.003 dB/M added for lengths > 30 meters.
- Maximum Cable attenuation: 3.0 dB/km @ 850 nm, 1.0 dB/Km @ 1310 nm @ 23°C as tested in accordance with EIA 455-46.
- Weight: Air Packed Weight: 1 LB Net Weight: 0.454Kg

### 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.

### HP LC to LC Multi-mode Cabling OM3 2-Fiber 5.0m 1- Pack Fiber Optic Cable (AJ836A)

#### Cable type:

50/125  $\mu\text{m}$  core/cladding) diameter, multimode fiber optic, with effective modal bandwidth of 2000 MHz/km as detailed in TIA-492AAAC for distances of up to 300 m;

#### Maximum distance:

10Gbps Transfer Rate (Ethernet): 300m

### Notes

Cable Specs: This specification defines the detail requirements for a tight buffered duplex fiber optic multimode OM3 50/125  $\mu\text{m}$  fiber optic cable and Ethernet assembly with LC duplex connectors on one end and LC duplex connectors on other end.

- Dimensions: Core diameter:  $50 \pm 3.0\mu\text{m}$  Cladding diameter:  $125 \pm 2.0\mu\text{m}$  Coating diameter:  $245 \pm 10\mu\text{m}$
- Optical Glass Bandwidth: For LED sources: 1500/500 MHz-km @850/1300nm.
- Optical Glass: For Laser sources: 2000/500 MHz-km @850/1300nm. VCSEL Laser sources: Shall achieve 600 / 600 meters @850/1300nm for Gigabit Ethernet compliant links.
- CABLE: The cable is duplex zipcord graded index 50/125um multimode optical fiber. The cable is designed to work in both the 850 and 1300 nm wavelength windows.
- BULK CABLE & CABLE ASSEMBLY CONFIGURATION:
- Jacket Material: Riser Grade - Low Smoke Zero Halogen thermoplastic.

## Accessory Product Details

- Jacket Color: Aqua for OM3 multimode per TIA 598
- Boot Color: White
- Insertion Loss: less than 0.5 dB @ 850 with LED source, 0.003 dB/M added for lengths > 30 meters.
- Maximum Cable attenuation: 3.0 dB/km @ 850 nm, 1.0 dB/Km @ 1310 nm @ 23°C as tested in accordance with EIA 455-46.
- Weight: Air Packed Weight: 1 LB Net Weight: 0.454Kg

### 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.

### HP LC to LC Multi-mode Cabling OM3 2-Fiber 15.0m 1- Pack Fiber Optic Cable (AJ837A)

#### Cable type:

50/125  $\mu$ m (core/cladding) diameter, multimode fiber optic, with effective modal bandwidth of 2000 MHz/km as detailed in TIA-492AAAC for distances of up to 300 m;

#### Maximum distance:

10Gbps Transfer Rate (Ethernet): 300m

### Notes

Cable Specs: Tight buffered duplex fiber optic multimode OM3 50/125  $\mu$ m fiber optic cable and Ethernet assembly with LC duplex connectors on one end and LC duplex connectors on other end.

- Dimensions: Core diameter: 50  $\pm$  3.0 $\mu$ m Cladding diameter: 125  $\pm$  2.0 $\mu$ m Coating diameter: 245  $\pm$  10 $\mu$ m
- Optical Glass Bandwidth: For LED sources: 1500/500 MHz-km @850/1300nm.
- Optical Glass: For Laser sources: 2000/500 MHz-km @850/1300nm. VCSEL Laser sources: Shall achieve 600 / 600 meters @850/1300nm for Gigabit Ethernet compliant links.
- CABLE: The cable is duplex zipcord graded index 50/125 $\mu$ m multimode optical fiber. The cable is designed to work in both the 850 and 1300 nm wavelength windows.
- BULK CABLE & CABLE ASSEMBLY CONFIGURATION:
- Jacket Material: Riser Grade - Low Smoke Zero Halogen thermoplastic.
- Jacket Color: Aqua for OM3 multimode per TIA 598
- Boot Color: White
- Insertion Loss: less than 0.5 dB @ 850 with LED source, 0.003 dB/M added for lengths > 30 meters.
- Maximum Cable attenuation: 3.0 dB/km @ 850 nm, 1.0 dB/Km @ 1310 nm @ 23°C as tested in accordance with EIA 455-46.
- Weight: Air Packed Weight: 1 LB Net Weight: 0.454Kg

### Services

Refer to the Hewlett Packard Enterprise website at <http://www.hpe.com/networking/services> for details on the service-

## Accessory Product Details

level descriptions and product numbers. For details about services and response times in your area, please contact your local Hewlett Packard Enterprise sales office.

**HP LC to LC Multi-mode Cabling**  
**OM3 2-Fiber 30.0m 1-**  
**Pack Fiber Optic Cable**  
 (AJ838A)

### Notes

#### Cable type:

50/125  $\mu\text{m}$  (core/cladding) diameter, multimode fiber optic, with effective modal bandwidth of 2000 MHz/km as detailed in TIA-492AAAC for distances of up to 300 m;

#### Maximum distance:

10Gbps Transfer Rate (Ethernet): 300m

Cable Specs: Tight buffered duplex fiber optic multimode OM3 50/125  $\mu\text{m}$  fiber optic cable and Ethernet assembly with LC duplex connectors on one end and LC duplex connectors on other end.

- Dimensions: Core diameter:  $50 \pm 3.0\mu\text{m}$  Cladding diameter:  $125 \pm 2.0\mu\text{m}$  Coating diameter:  $245 \pm 10\mu\text{m}$
- Optical Glass Bandwidth: For LED sources: 1500/500 MHz-km @850/1300nm.
- Optical Glass: For Laser sources: 2000/500 MHz-km @850/1300nm. VCSEL Laser sources: Shall achieve 600 / 600 meters @850/1300nm for Gigabit Ethernet compliant links.
- CABLE: The cable is duplex zipcord graded index 50/125um multimode optical fiber. The cable is designed to work in both the 850 and 1300 nm wavelength windows.
- BULK CABLE & CABLE ASSEMBLY CONFIGURATION:
- Jacket Material: Riser Grade - Low Smoke Zero Halogen thermoplastic.
- Jacket Color: Aqua for OM3 multimode per TIA 598
- Boot Color: White
- Insertion Loss: less than 0.5 dB @ 850 with LED source, 0.003 dB/M added for lengths > 30 meters.
- Maximum Cable attenuation: 3.0 dB/km @ 850 nm, 1.0 dB/Km @ 1310 nm @ 23°C as tested in accordance with EIA 455-46.
- Weight: Air Packed Weight: 1 LB Net Weight: 0.454Kg

### 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.

**HP LC to LC Multi-mode Cabling**  
**OM3 2-Fiber 50.0m 1-**  
**Pack Fiber Optic Cable**  
 (AJ839A)

#### Cable type:

50/125  $\mu\text{m}$  (core/cladding) diameter, multimode fiber optic, with effective modal bandwidth of 2000 MHz/km as detailed in TIA-492AAAC for distances of up to 300 m;

#### Maximum distance:

## Accessory Product Details

### Notes

10Gbps Transfer Rate (Ethernet): 300m

Cable Specs: Tight buffered duplex fiber optic multimode OM3 50/125 um fiber optic cable and Ethernet assembly with LC duplex connectors on one end and LC duplex connectors on other end.

- Dimensions: Core diameter: 50 ± 3.0um Cladding diameter: 125 ± 2.0um Coating diameter: 245 ± 10um
- Optical Glass Bandwidth: For LED sources: 1500/500 MHz-km @850/1300nm.
- Optical Glass: For Laser sources: 2000/500 MHz-km @850/1300nm. VCSEL Laser sources: Shall achieve 600 / 600 meters @850/1300nm for Gigabit Ethernet compliant links.
- CABLE: The cable is duplex zipcord graded index 50/125um multimode optical fiber. The cable is designed to work in both the 850 and 1300 nm wavelength windows.
- BULK CABLE & CABLE ASSEMBLY CONFIGURATION:
- Jacket Material: Riser Grade - Low Smoke Zero Halogen thermoplastic.
- Jacket Color: Aqua for OM3 multimode per TIA 598
- Boot Color: White
- Insertion Loss: less than 0.5 dB @ 850 with LED source, 0.003 dB/M added for lengths > 30 meters.
- Maximum Cable attenuation: 3.0 dB/km @ 850 nm, 1.0 dB/Km @ 1310 nm @ 23°C as tested in accordance with EIA 455-46.
- Weight: Air Packed Weight: 1 LB Net Weight: 0.454Kg

### 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.

### HP Premier Flex LC/LC Multi-mode OM4 2 fiber 1m Cable (QK732A) Notes

Cable Specs: Graded-index, "bendable" fiber optic multimode OM3+ 50/125um duplex cable and Ethernet assembly with LC duplex connectors on each end.

- Core Diameter: 50um ±3um, Cladding diameter: 125um ±2um; Coating diameter: 245 ± 10um
- Bandwidth: 3000 MHz-km @ 850nm (Laser)
- Jacket Color: Blue
- Jacket Material: Riser Grade – Low Smoke Zero Halogen (LSZH) thermoplastic
- Boot Color: White
- Outer Jacket Print: HP PremierFlex OM3+ Fiber Optic Cable, 50/125um, Type OFNR (UL), LSZH, cUL, OFN FT4, ROHS. Cable also has a longitudinal white stripe that runs the entire length of the cable.
- Insertion Loss: Less than 0.5dB @ 850nm with LED source, 0.003dB/m added for lengths >30m

## Accessory Product Details

### Services

- Maximum Cable Attenuation: 3.0 dB/km @ 850nm, 1.0 dB/km @ 1310nm @ 23°C as tested in accordance with EIA 455-45

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.

### HP Premier Flex LC/LC Multi-mode OM4 2 fiber 2m Cable (QK733A) Notes

Cable Specs: Graded-index, "bendable" fiber optic multimode OM3+ 50/125um duplex cable and Ethernet assembly with LC duplex connectors on each end.

- Core diameter: 50um ±3um, Cladding diameter: 125um ±2um; Coating diameter: 245 ± 10um
- Bandwidth: 3000 MHz-km @ 850nm (Laser)
- Jacket Color: Blue
- Jacket Material: Riser Grade – Low Smoke Zero Halogen (LSZH) thermoplastic
- Boot Color: White
- Outer Jacket Print: HPE PremierFlex OM3+ Fiber Optic Cable, 50/125um, Type OFNR (UL), LSZH, cUL, OFN FT4, ROHS. Cable also has a longitudinal white stripe that runs the entire length of the cable.
- Insertion Loss: Less than 0.5dB @ 850nm with LED source, 0.003dB/m added for lengths >30m
- Maximum Cable Attenuation: 3.0 dB/km @ 850nm, 1.0 dB/km @ 1310nm @ 23°C as tested in accordance with EIA 455-45

### 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.

### HP Premier Flex LC/LC Multi-mode OM4 2 fiber 5m Cable (QK734A) Notes

Cable Specs: Graded-index, "bendable" fiber optic multimode OM3+ 50/125um duplex cable and Ethernet assembly with LC duplex connectors on each end.

- Core diameter: 50um ±3um, Cladding diameter: 125um ±2um; Coating diameter: 245 ± 10um
- Bandwidth: 3000 MHz-km @ 850nm (Laser)
- Jacket Color: Blue
- Jacket Material: Riser Grade – Low Smoke Zero Halogen (LSZH) thermoplastic
- Boot Color: White
- Outer Jacket Print: HPE PremierFlex OM3+ Fiber Optic Cable, 50/125um, Type OFNR (UL), LSZH, cUL, OFN FT4, ROHS. Cable also has a longitudinal white stripe that runs the entire length of the cable.
- Insertion Loss: Less than 0.5dB @ 850nm with LED source, 0.003dB/m added for lengths >30m

## Accessory Product Details

### Services

- Maximum Cable Attenuation: 3.0 dB/km @ 850nm, 1.0 dB/km @ 1310nm @ 23°C as tested in accordance with EIA 455-45

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.

### HP Premier Flex LC/LC Multi-mode OM4 2 fiber 15m Cable (QK735A) Notes

Cable Specs: Graded-index, "bendable" fiber optic multimode OM3+ 50/125um duplex cable and Ethernet assembly with LC duplex connectors on each end.

- Core diameter: 50um ±3um, Cladding diameter: 125um ±2um; Coating diameter: 245 ± 10um
- Bandwidth: 3000 MHz-km @ 850nm (Laser)
- Jacket Color: Blue
- Jacket Material: Riser Grade – Low Smoke Zero Halogen (LSZH) thermoplastic
- Boot Color: White
- Outer Jacket Print: HPE PremierFlex OM3+ Fiber Optic Cable, 50/125um, Type OFNR (UL), LSZH, cUL, OFN FT4, ROHS. Cable also has a longitudinal white stripe that runs the entire length of the cable.
- Insertion Loss: Less than 0.5dB @ 850nm with LED source, 0.003dB/m added for lengths >30m
- Maximum Cable Attenuation: 3.0 dB/km @ 850nm, 1.0 dB/km @ 1310nm @ 23°C as tested in accordance with EIA 455-45

### 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.

### HP Premier Flex LC/LC Multi-mode OM4 2 fiber 30m Cable (QK736A) Notes

Cable Specs: Graded-index, "bendable" fiber optic multimode OM3+ 50/125um duplex cable and Ethernet assembly with LC duplex connectors on each end.

- Core diameter: 50um ±3um, Cladding diameter: 125um ±2um; Coating diameter: 245 ± 10um
- Bandwidth: 3000 MHz-km @ 850nm (Laser)
- Jacket Color: Blue
- Jacket Material: Riser Grade – Low Smoke Zero Halogen (LSZH) thermoplastic
- Boot Color: White
- Outer Jacket Print: HP PremierFlex OM3+ Fiber Optic Cable, 50/125um, Type OFNR (UL), LSZH, cUL, OFN FT4, ROHS. Cable also has a longitudinal white stripe that runs the entire length of the cable.
- Insertion Loss: Less than 0.5dB @ 850nm with LED source, 0.003dB/m added for lengths >30m



## Accessory Product Details

### Services

- Maximum Cable Attenuation: 3.0 dB/km @ 850nm, 1.0 dB/km @ 1310nm @ 23°C as tested in accordance with EIA 455-45

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.

### HP Premier Flex LC/LC Multi-mode OM4 2 fiber 50m Cable (QK737A) Notes

Cable Specs: Graded-index, "bendable" fiber optic multimode OM3+ 50/125um duplex cable and Ethernet assembly with LC duplex connectors on each end.

- Core diameter: 50um ±3um, Cladding diameter: 125um ±2um; Coating diameter: 245 ± 10um
- Bandwidth: 3000 MHz-km @ 850nm (Laser)
- Jacket Color: Blue
- Jacket Material: Riser Grade – Low Smoke Zero Halogen (LSZH) thermoplastic
- Boot Color: White
- Outer Jacket Print: HP PremierFlex OM3+ Fiber Optic Cable, 50/125um, Type OFNR (UL), LSZH, cUL, OFN FT4, ROHS. Cable also has a longitudinal white stripe that runs the entire length of the cable.
- Insertion Loss: Less than 0.5dB @ 850nm with LED source, 0.003dB/m added for lengths >30m
- Maximum Cable Attenuation: 3.0 dB/km @ 850nm, 1.0 dB/km @ 1310nm @ 23°C as tested in accordance with EIA 455-45

### 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 X121 1G SFP LC SX Transceiver (J4858C) Ports

1 LC 1000BASE-SX port; Duplex: full only

A small form-factor pluggable (SFP) Gigabit SX transceiver that provides a full-duplex Gigabit solution up to 550 m on multimode fiber.

### Physical characteristics

Dimensions: 2.24(d) x 0.54(w) x 0.48(h) in. (5.69 x 1.37 x 1.22 cm)

Weight: 0.04 lb. (0.02 kg)

Transceiver form factor: SFP

### Environment

Operating temperature: 32°F to 158°F (0°C to 70°C)

Operating relative humidity: 5% to 85%, noncondensing

Nonoperating/Storage temperature: -40°F to 203°F (-40°C to 85°C)

Altitude: up to 10,000 ft. (3 km)

### Electrical characteristics

Power consumption typical: 0.4 W

Power consumption maximum: 0.7 W

### Cabling

Type:

- 62.5/125 μm or 50/125 μm (core/cladding) diameter, graded-index, low metal content, multimode fiber optic, complying with ITU-T

## Accessory Product Details

G.651 and ISO/IEC 793-2 Type A1b or A1a, respectively;

Maximum distance:

- 2-220 m (62.5  $\mu\text{m}$  core diameter, 160 MHz\*km bandwidth)
- 2-275 m (62.5  $\mu\text{m}$  core diameter, 200 MHz\*km bandwidth)
- 2-500 m (50  $\mu\text{m}$  core diameter, 400 MHz\*km bandwidth)
- 2-550 m (50  $\mu\text{m}$  core diameter, 500 MHz\*km bandwidth)

Cable length: 2-550m

Fiber type: Multi Mode

### 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 X121 1G SFP LC LX Transceiver (J4859C)

HP X121 1G SFP LC LX Transceiver: An SFP format gigabit transceiver with LC connectors using LX technology.

### Ports

### Physical characteristics

### Environment

### Cabling

1 LC 1000BASE-LX port (IEEE 802.3z Type 1000BASE-LX); Duplex: full only

Dimensions: 2.24(d) x 0.54(w) x 0.486(h) in. (5.69 x 1.37 x 1.23 cm)

Weight: 0.04 lb. (0.02 kg)

Operating temperature: 32°F to 158°F (0°C to 70°C)

Operating relative humidity: 0% to 85%, noncondensing

Nonoperating/Storage temperature: -40°F to 212°F (-40°C to 100°C)

Altitude: up to 10,000 ft. (3 km)

Type:

- Either single mode or multimode; 62.5/125  $\mu\text{m}$  or 50/125  $\mu\text{m}$  (core/cladding) diameter, graded-index, low metal content, multimode fiber optic, complying with ITU-T G.651 and ISO/IEC 793-2 Type A1b or A1a, respectively; Low metal content, single-mode fiber-optic, complying with ITU-T G.652 and ISO/IEC 793-2 Type B1;

Maximum distance:

- 2-550 m (multimode 62.5  $\mu\text{m}$  core diameter, 500 MHz\*km bandwidth)
- 2-550 m (multimode 50  $\mu\text{m}$  core diameter, 400 MHz\*km bandwidth)
- 2-550 m (multimode 50  $\mu\text{m}$  core diameter, 500 MHz\*km bandwidth)
- 2-10,000 m (single-mode fiber)

### Notes

A mode conditioning patch cord may be needed in some multimode fiber installations.

Wavelength: 1310nm

Power Consumption: < 500mW Typical

## Accessory Product Details

### 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.

Date	Version History	Action	Description of Change
10-June-2016	From Version 5 to 6	Changed	Minor edits made on Technical Specifications.
06-Jun-2016	From Version 4 to 5	Added	Models added: JH327A, JH328A, JH329A, JH330A
15-Apr-2016	From Version 3 to 4	Changed	QS name changed to HPE OfficeConnect 1420 Switch Series; SKU descriptions updated
31-Mar-2016	From Version 2 to 3	Added	Models added: JG708B
		Changed	<b>Product overview updated</b>
01-Dec-2015	From Version 1 to 2	Changed	Overview, Features and Benefits and Technical Specifications updated.



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c04609036 - 15249 - Worldwide - V6 - 10-June-2016

