

Overview

HPE 1420 Switch Series



Models

HP 1420-16G Switch	JH016A
HP 1420-24G-2SFP Switch	JH017A
HP 1420-24G-2SFP+ 10G Uplink Switch	JH018A
HP 1420-24G-PoE+ (124W) Switch	JH019A

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 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 10GbE uplink models.

The 1420 Switch Series includes four 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 of power on these ports to power Access Points, IP phones, IP cameras, and other PoE-enabled devices. For cost-effective high-speed fiber-based server connections, there is a 24-port 10/100/1000 switch with two SFP+ 10GbE ports.

Overview

HPE 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 autospeed 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 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
- **HP/IEEE Auto-MDIX**
automatically adjusts for straight-through or crossover cables on all RJ-45 ports

Connectivity

- **Gigabit Ethernet 10/100/1000 Connectivity** -- high speed Ethernet connections over highly affordable copper Category 5 cabling.
- **NEW 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.
- **NEW 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
- **NEW Internal power supply**
delivers operational convenience and an environment suitable for business operations

Overview

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**
see <http://www.hpe.com/networking/warrantysummary> 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.

HP 1420-16G Switch	JH016A
<ul style="list-style-type: none"> 16 RJ-45 autosensing 10/100/1000 ports 1U - Height 	See Configuration NOTE: 3
PDU Cable NA/MEX/TW/JP	JH016A#B2B
<ul style="list-style-type: none"> C15 PDU Jumper Cord (NA/MEX/TW/JP) 	
PDU Cable NA/MEX/TW/JP	JH016A#B2C
<ul style="list-style-type: none"> C15 PDU Jumper Cord (ROW) 	
High Volt Switch/Router to Wall Power Cord NEMA L6-20P Cord (NA/MEX/JP/TW)	JH016A#B2E
HP 1420-24G-2SFP Switch	JH017A
<ul style="list-style-type: none"> 24 RJ-45 autosensing 10/100/1000 ports 2 SFP 100/1000 Mbps ports min=0 \ max=2 SFP Transceivers 1U - Height 	See Configuration NOTE: 1, 3
PDU Cable NA/MEX/TW/JP	JH017A#B2B
<ul style="list-style-type: none"> C15 PDU Jumper Cord (NA/MEX/TW/JP) 	
PDU Cable NA/MEX/TW/JP	JH017A#B2C
<ul style="list-style-type: none"> C15 PDU Jumper Cord (ROW) 	
High Volt Switch/Router to Wall Power Cord	JH017A#B2E
<ul style="list-style-type: none"> NEMA L6-20P Cord (NA/MEX/JP/TW) 	
HP 1420-24G-2S Switch	JH018A
<ul style="list-style-type: none"> 24 RJ-45 autosensing 10/100/1000 ports 2 fixed 1000/10000 SFP+ ports min=0 \ max=2 SFP+ Transceivers 1U - Height 	See Configuration NOTE: 1, 2, 3
PDU Cable NA/MEX/TW/JP	JH018A#B2B
<ul style="list-style-type: none"> C15 PDU Jumper Cord (NA/MEX/TW/JP) 	
PDU Cable NA/MEX/TW/JP	JH018A#B2C
<ul style="list-style-type: none"> C15 PDU Jumper Cord (ROW) 	
High Volt Switch/Router to Wall Power Cord	JH018A#B2E

Configuration

- NEMA L6-20P Cord (NA/MEX/JP/TW)

HP 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:

HP X121 1G SFP LC SX Transceiver	J4858C
HP X121 1G SFP LC LX Transceiver	J4859C
HP X121 1G SFP RJ45 T Transceiver	J8177C
HP X120 1G SFP RJ45 T Transceiver	JD089B
HP X120 1G SFP LC SX Transceiver	JD118B
HP X120 1G SFP LC LX Transceiver	JD119B

Note 2 The following Transceivers install into this switch:

HP X132 10G SFP+ LC SR Transceiver	J9150A
HP X130 10G SFP+ LC SR Transceiver	JD092B
HP X130 10G SFP+ LC LR Transceiver	JD094B
HP X242 10G SFP+ to SFP+ 1m Direct Attach Copper Cable	J9281B
HP 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

HP X121 1G SFP LC SX Transceiver	J4858C
HP X121 1G SFP LC LX Transceiver	J4859C
HP X121 1G SFP RJ45 T Transceiver	J8177C
HP X120 1G SFP RJ45 T Transceiver	JD089B
HP X120 1G SFP LC SX Transceiver	JD118B
HP X120 1G SFP LC LX Transceiver	JD119B

Configuration

SFP+ Transceivers

HP X132 10G SFP+ LC SR Transceiver	J9150A
HP X130 10G SFP+ LC SR Transceiver	JD092B
HP X130 10G SFP+ LC LR Transceiver	JD094B
HP X242 10G SFP+ SFP+ 1m DAC Cable	J9281B
HP X242 10G SFP+ SFP+ 3m DAC Cable	J9283B

Internal or External Power Supplies (Model Dependant)

Power Supplies included

Cables

Multi-Mode Cables

HP .5m Multi-mode OM3 LC/LC FC Cable	AJ833A
HP 1m Multi-mode OM3 LC/LC FC Cable	AJ834A
HP 2 m Multimode OM3 LC/LC FC Cable	AJ835A
HP 5 m Multimode OM3 LC/LC FC Cable	AJ836A
HP 15 m Multimode OM3 LC/LC FC Cable	AJ837A
HP 30 m Multimode OM3 LC/LC FC Cable	AJ838A
HP 50 m Multimode OM3 LC/LC FC Cable	AJ839A
HP Premier Flex LC/LC OM4 2f 1m Cbl	QK732A
HP Premier Flex LC/LC OM4 2f 2m Cbl	QK733A
HP Premier Flex LC/LC OM4 2f 5m Cbl	QK734A
HP Premier Flex LC/LC OM4 2f 15m Cbl	QK735A
HP Premier Flex LC/LC OM4 2f 30m Cbl	QK736A
HP Premier Flex LC/LC OM4 2f 50m Cbl	QK737A

Technical Specifications

HP 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 μ s (LIFO 64-byte packets)
	1000 Mb Latency	< 16 μ s (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)
Electrical characteristics	Acoustic	Power: 0 dB No fan
	Frequency	50/60 Hz
	Voltage	100 - 240 VAC, rated (depending on power supply chosen)
	Current	0.2 A
	Maximum power rating	12 W
Safety	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.
Emissions	CSA 22.2 No. 60950; UL 60950-1; IEC 60950-1; EN 60950-1	
Immunity	FCC Rules Part 15, Subpart B Class A	
	Generic	EN 55022 CISPR 22
	EN	EN 55024, CISPR 24
	ESD	IEC 61000-4-2

Technical Specifications

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

HP 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 μ s (LIFO 64-byte packets)
	1000 Mb Latency	< 16 μ s (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)
Electrical characteristics	Acoustic	Power: 0 dB No fan
	Frequency	50/60 Hz
	Voltage	100 - 240 VAC, rated (depending on power supply chosen)
	Current	0.3 A

Technical Specifications

	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
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.

HP 1420-24G-2SFP+ 10G Uplink 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 μ s (LIFO 64-byte packets)
	1000 Mb Latency	< 16 μ s (LIFO 64-byte packets)
	10 Gbps Latency	< 2 μ s (LIFO 64-byte packets)
	Throughput	up to 65.5 Mpps (64-byte packets)
	Switching capacity	88 Gbps
	MAC address table size	16384 entries

Technical Specifications

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)
Electrical characteristics	Acoustic	Power: 0 dB No fan
	Frequency	50/60 Hz
	Voltage	100 - 240 VAC, rated (depending on power supply chosen)
	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.	

HP 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,

Technical Specifications

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 μ s (LIFO 64-byte packets)
	1000 Mb Latency	< 16 μ s (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
	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)
Electrical characteristics	Acoustic	Power: 0 dB No fan
	Frequency	50/60 Hz
	Voltage	100 - 240 VAC, rated (depending on power supply chosen)
	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

Technical Specifications

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

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

Accessories

HPE 1420 Switch Series Cables 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
<u>HP Premier Flex LC/LC Multi-mode OM4 2 fiber 1m Cable</u>	QK732A
<u>HP Premier Flex LC/LC Multi-mode OM4 2 fiber 2m Cable</u>	QK733A
<u>HP Premier Flex LC/LC Multi-mode OM4 2 fiber 5m Cable</u>	QK734A
<u>HP Premier Flex LC/LC Multi-mode OM4 2 fiber 15m Cable</u>	QK735A
<u>HP Premier Flex LC/LC Multi-mode OM4 2 fiber 30m Cable</u>	QK736A
<u>HP Premier Flex LC/LC Multi-mode OM4 2 fiber 50m Cable</u>	QK737A

HP 1420-24G-2SFP Switch (JH017A)

HP X121 1G SFP LC SX Transceiver	J4858C
HP X121 1G SFP LC LX Transceiver	J4859C
HP X121 1G SFP RJ45 T Transceiver	J8177C
HP X120 1G SFP RJ45 T Transceiver	JD089B
HP X120 1G SFP LC SX Transceiver	JD118B
HP X120 1G SFP LC LX Transceiver	JD119B

HP 1420-24G-2SFP+ 10G Uplink Switch (JH018A)

HP X121 1G SFP LC SX Transceiver	J4858C
HP X121 1G SFP LC LX Transceiver	J4859C
HP X121 1G SFP RJ45 T Transceiver	J8177C
HP X132 10G SFP+ LC SR Transceiver	J9150A
HP X242 10G SFP+ to SFP+ 1m Direct Attach Copper Cable	J9281B
HP X242 10G SFP+ to SFP+ 3m Direct Attach Copper Cable	J9283B
HP X120 1G SFP RJ45 T Transceiver	JD089B
HP X130 10G SFP+ LC SR Transceiver	JD092B
HP X130 10G SFP+ LC LR Transceiver	JD094B
HP X120 1G SFP LC SX Transceiver	JD118B
HP X120 1G SFP LC LX Transceiver	JD119B

Accessory Product Details

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

HP 0.5 m Multimode OM3 LC/LC Optical Cable (AJ833A)	Cabling	<p>Cable type: 50/125 μm (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</p> <p>Maximum distance: 10Gbps Transfer Rate (Ethernet): 300m</p> <p>Notes Cable Specs: Tight buffered duplex fiber optic multimode OM3 50/125 μm fiber optic cable and Ethernet assembly with LC duplex connectors on one end and LC duplex connectors on other end.</p> <ul style="list-style-type: none"> • Dimensions: Core diameter: 50 \pm 3.0μm Cladding diameter: 125 \pm 2.0μm Coating diameter: 245 \pm 10μm • 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 50/125μm 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	<p>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.</p>
HP 1 m Multimode OM3 LC/LC Optical Cable (AJ834A)	Cabling	<p>Cable type: 50/125 μm (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</p> <p>Maximum distance: 10Gbps Transfer Rate (Ethernet): 300m</p>

Accessory Product Details

Notes	<p>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.</p> <ul style="list-style-type: none">• 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	<p>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.</p>

HP 2 m Multimode OM3 Cabling
LC/LC Optical Cable
(AJ835A)

	<p>Cable type:</p> <p>50/125 μm (core/cladding) diameter, mulitimode fiber optic, with effective modal bandwidth of 2000 MHz/km as detailed in TIA-492AAAC for distances of up to 300 m;</p> <p>Maximum distance:</p> <p>10Gbps Transfer Rate (Ethernet): 300m</p>
Notes	<p>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.</p> <ul style="list-style-type: none">• 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

Accessory Product Details

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 5 m Multimode OM3 Cabling
LC/LC Optical Cable
(AJ836A)

Cable type:
50/125 μm core/cladding) diameter, mulitimode 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 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.

Accessory Product Details

- 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 15 m Multimode OM3 Cabling LC/LC Optical Cable (AJ837A)

Cable type:

50/125 μm (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 μm 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 50/125 μm 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 30 m Multimode OM3 LC/LC Optical Cabling

Cable type:

50/125 μm (core/cladding) diameter, multimode fiber optic, with effective modal bandwidth of 2000 MHz/km as detailed in TIA-492AAAC for

Accessory Product Details

Cable (AJ838A)	distances of up to 300 m;
Notes	<p>Maximum distance: 10Gbps Transfer Rate (Ethernet): 300m</p> <p>Cable Specs: Tight buffered duplex fiber optic multimode OM3 50/125 μm fiber optic cable and Ethernet assembly with LC duplex connectors on one end and LC duplex connectors on other end.</p> <ul style="list-style-type: none">• Dimensions: Core diameter: 50 \pm 3.0μm Cladding diameter: 125 \pm 2.0μm Coating diameter: 245 \pm 10μm• 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 50/125μm 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
	<p>Services</p> <p>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.</p>

HP 50 m Multimode OM3 LC/LC Optical Cable (AJ839A)	Cabling	<p>Cable type: 50/125 μm (core/cladding) diameter, mulitimode fiber optic, with effective modal bandwidth of 2000 MHz/km as detailed in TIA-492AAAC for distances of up to 300 m;</p>
	Notes	<p>Maximum distance: 10Gbps Transfer Rate (Ethernet): 300m</p> <p>Cable Specs: Tight buffered duplex fiber optic multimode OM3 50/125 μm fiber optic cable and Ethernet assembly with LC duplex connectors on one end and LC duplex connectors on other end.</p> <ul style="list-style-type: none">• Dimensions: Core diameter: 50 \pm 3.0μm Cladding diameter: 125 \pm 2.0μm Coating diameter: 245 \pm 10μm• 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 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
- 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 **Notes**

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

Accessory Product Details

Multi-mode OM4 2 fiber 2m Cable (QK733A)

on each end.

- Core diameter: 50um \pm 3um, Cladding diameter: 125um \pm 2um; Coating diameter: 245 \pm 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 \pm 3um, Cladding diameter: 125um \pm 2um; Coating diameter: 245 \pm 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 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.

Accessory Product Details

- Core diameter: 50um \pm 3um, Cladding diameter: 125um \pm 2um; Coating diameter: 245 \pm 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 \pm 3um, Cladding diameter: 125um \pm 2um; Coating diameter: 245 \pm 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.

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 \pm 3um, Cladding diameter: 125um \pm 2um; Coating diameter: 245 \pm 10um

Accessory Product Details

		<ul style="list-style-type: none"> • 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	<p>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.</p>
<p>HP X121 1G SFP LC SX Transceiver (J4858C)</p> <p>A small form-factor pluggable (SFP) Gigabit SX transceiver that provides a full-duplex Gigabit solution up to 550 m on multimode fiber.</p>	Ports	1 LC 1000BASE-SX port; Duplex: full only
	Physical characteristics	<p>Dimensions: 2.24(d) x 0.54(w) x 0.48(h) in. (5.69 x 1.37 x 1.22 cm)</p> <p>Weight: 0.04 lb. (0.02 kg)</p> <p>Transceiver form factor: SFP</p>
	Environment	<p>Operating temperature: 32°F to 158°F (0°C to 70°C)</p> <p>Operating relative humidity: 5% to 85%, noncondensing</p> <p>Nonoperating/Storage temperature: -40°F to 203°F (-40°C to 85°C)</p> <p>Altitude: up to 10,000 ft. (3 km)</p>
	Electrical characteristics	<p>Power consumption typical: 0.4 W</p> <p>Power consumption maximum: 0.7 W</p>
	Cabling	<p>Type:</p> <ul style="list-style-type: none"> • 62.5/125 μm or 50/125 μm (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; <p>Maximum distance:</p> <ul style="list-style-type: none"> • 2-220 m (62.5 μm core diameter, 160 MHz*km bandwidth) • 2-275 m (62.5 μm core diameter, 200 MHz*km bandwidth) • 2-500 m (50 μm core diameter, 400 MHz*km bandwidth) • 2-550 m (50 μm core diameter, 500 MHz*km bandwidth) <p>Cable length: 2-550m</p> <p>Fiber type: Multi Mode</p>
	Services	<p>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.</p>

Accessory Product Details

HP 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 μm or 50/125 μm (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 μm core diameter, 500 MHz*km bandwidth)
- 2-550 m (multimode 50 μm core diameter, 400 MHz*km bandwidth)
- 2-550 m (multimode 50 μm 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

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
01-Dec-2015	From Version 1 to 2	Changed	Overview, Features and Benefits and Technical Specifications updated.

Summary of Changes



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