

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

Overview

Product overview

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

The HPE OfficeConnect 1420 Switch Series consists of unmanaged business-class Gigabit Ethernet switches for small business and others looking for plug-and-play basic Layer 2 connectivity for their network. The 1420 Switch Series includes nine Gigabit switches: 16-port 10/100/1000, 24-port 10/100/1000 with two SFP Gigabit ports, 24-port 10/100/1000 ports of which 12 are Power over Ethernet (PoE+) enabled with a total PoE power budget of 124W, and 24-port 10/100/1000 with two SFP+ 10GbE ports. The 1420 Switch Series also includes a 5-port 10/100/1000, 5-port 10/100/1000 with 4 out of 5 ports as PoE+ ports, an 8-port 10/100/1000, 8-port 10/100/1000 with 8 out of 8 ports as PoE+ ports and a simple 24 port 10/100/1000 switch. They are fanless for silent operation. They come with a limited lifetime Warranty. HPE OfficeConnect 1420 switches have quality of service (QoS) support and IEEE 802.3x flow control features that improve network efficiency. Simplified plug-and-play convenience is supported by features such as auto-MDIX and auto-speed negotiation. Hewlett Packard Enterprise has innovated and combined the latest advances in silicon technology to bring you some of the most power-efficient switches. All models support the Energy Efficient Ethernet IEEE 802.3az standard, as well as auto power-down mode on idle ports and power saving on short-distance cables. With their fanless silent operation, these switches are ideal for office deployment. HPE OfficeConnect 1420 switches come with a limited lifetime warranty.

Features and benefits

Ease of use

- Unmanaged
 - provides plug-and-play simplicity
- Auto-speed negotiation
 - selects individual port speed automatically, depending on client capabilities; removing the need for manual intervention enables simple plug-and-play operation
- Comprehensive LED display with per-port indicators

provides an at-a-glance view of the status, activity, speed, and full-duplex operation of the switches

- Flow control
 - helps ensure reliable communications during full-duplex operation
- HPE/IEEE Auto-MDIX
 - automatically adjusts for straight-through or crossover cables on all RJ-45 ports

Connectivity

- Gigabit Ethernet 10/100/1000 Connectivity
 - supports high-speed Ethernet connections over highly affordable copper Category 5 cabling.
- 10-Gigabit fiber connectivity
 - Future-proof 10-Gigabit technology allows high-speed fiber connection to servers or other switches, with connection flexibility using optional SFP+ or SFP transceivers.
- IEEE 802.3at Power over Ethernet (PoE+)
 - provides up to 30 W per port, which allows support of the latest PoE+-capable devices such as IP phones, wireless access points, and security cameras, as well as any IEEE 802.3af compliant end device; reduces the cost of additional electrical cabling and circuits that would otherwise be necessary in IP phone and WLAN deployments (for PoE model)

Performance

- Energy-efficient Ethernet support
 - supports new IEEE 802.3az standard; and allows lower power consumption, when operated with IEEE-compliant client devices in 100 Mb/s mode only
- Half-/full-duplex auto-negotiating capability on every port doubles the throughput of every port.

Overview

• Jumbo frame support

allows frames up to 9,216 bytes to be switched through the network

Flexibility

• Fanless design

enables quiet operation for deployment in open spaces

• Internal power supply

delivers operational convenience and an environment suitable for business operations

Quality of Service (QoS)

• IEEE 802.1p prioritization

delivers data to devices, based on the priority and type of traffic

DiffServ Code Point (DSCP) support

allows real-time traffic prioritization, based on L3 TOS/DSCP parameters

Warranty and support

• Limited Lifetime Warranty

See http://www.hpe.com/officeconnect/support for warranty and support information included with your product purchase.



HPE OfficeConnect 1420 8G Switch

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.

part of a 010 of reach ornippasie solution.	
HPE OfficeConnect 1420 24G Switch • 24 RJ-45 autosensing 10/100/1000 ports • 1U - Height	JG708B See Configuration NOTE:3
PDU Cable NA/MEX/TW/JP • C15 PDU Jumper Cord (NA/MEX/TW/JP)	JG708B#B2B
PDU Cable NA/MEX/TW/JP ◆ C15 PDU Jumper Cord (ROW)	JG708B#B2C
High Volt Switch/Router to Wall Power Cord ■ NEMA L6-20P Cord (NA/MEX/JP/TW)	JG708B#B2E
 HPE OfficeConnect 1420 5G Switch 5 RJ-45 autosensing 10/100/1000 ports 1U - Height 	JH327A See Configuration NOTE:3
PDU Cable NA/MEX/TW/JP • C15 PDU Jumper Cord (NA/MEX/TW/JP)	JH327A#B2B
PDU Cable NA/MEX/TW/JP ◆ C15 PDU Jumper Cord (ROW)	JH327A#B2C
High Volt Switch/Router to Wall Power Cord ■ NEMA L6-20P Cord (NA/MEX/JP/TW)	JH327A#B2E
 HPE OfficeConnect 1420 5G PoE+ (32W) Switch 5 RJ-45 autosensing 10/100/1000 ports 1U - Height 	JH328A See Configuration NOTE:3
PDU Cable NA/MEX/TW/JP • C15 PDU Jumper Cord (NA/MEX/TW/JP)	JH328A#B2B
PDU Cable NA/MEX/TW/JP • C15 PDU Jumper Cord (ROW)	JH328A#B2C
High Volt Switch/Router to Wall Power Cord ■ NEMA L6-20P Cord (NA/MEX/JP/TW)	JH328A#B2E

JH329A

Configuration

8 RJ-45 autosensing 10/100/1000 ports
 1U - Height
 See
 Configuration

NOTE: 3

JH329A#B2B

PDU Cable NA/MEX/TW/JP

C15 PDU Jumper Cord (NA/MEX/TW/JP)

PDU Cable NA/MEX/TW/JP JH329A#B2C

C15 PDU Jumper Cord (ROW)

High Volt Switch/Router to Wall Power Cord JH329A#B2E

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

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

JH330A

• 8 RJ-45 autosensing 10/100/1000 ports See

• 1U - Height Configuration NOTE: 3

NOTE: 3

PDU Cable NA/MEX/TW/JP JH330A#B2B

• C15 PDU Jumper Cord (NA/MEX/TW/JP)

PDU Cable NA/MEX/TW/JP JH330A#B2C

• C15 PDU Jumper Cord (ROW)

High Volt Switch/Router to Wall Power Cord JH330A#B2E

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

HPE OfficeConnect 1420 16G Switch

■ 16 RJ-45 autosensing 10/100/1000 ports

See

• 1U - Height Configuration

NOTE: 3

PDU Cable NA/MEX/TW/JP JH016A#B2B

• C15 PDU Jumper Cord (NA/MEX/TW/JP)

PDU Cable NA/MEX/TW/JP JH016A#B2C

• C15 PDU Jumper Cord (ROW)

High Volt Switch/Router to Wall Power Cord JH016A#B2E

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

HPE OfficeConnect 1420 24G 2SFP Switch

JH017A

24 RJ-45 autosensing 10/100/1000 ports
 2 SFP 100/1000 Mbps ports
 Configuration

• min=0 \ max=2 SFP Transceivers NOTE:1, 3

• 1U - Height

PDU Cable NA/MEX/TW/JP JH017A#B2B

C15 PDU Jumper Cord (NA/MEX/TW/JP)

Configuration

PDU Cable • C15 P	JH017A#B2C	
High Volt S	JH017A#B2E	
24 RJ2 fixed	Connect 1420 24G 2SFP+ Switch -45 autosensing 10/100/1000 ports d 1000/10000 SFP+ ports 0 \ max=2 SFP+ Transceivers leight	JH018A See Configuration NOTE: 1, 2,
	NA/MEX/TW/JP PDU Jumper Cord (NA/MEX/TW/JP)	JH018A#B2B
	NA/MEX/TW/JP PDU Jumper Cord (ROW)	JH018A#B2C
•	witch/Router to Wall Power Cord L6-20P Cord (NA/MEX/JP/TW)	JH018A#B2E
	Connect 1420 24G PoE+ (124W) Switch -45 autosensing 10/100/1000 ports leight	JH019A See Configuration NOTE: 3
	NA/MEX/TW/JP DU Jumper Cord (NA/MEX/TW/JP)	JH019A#B2B
	NA/MEX/TW/JP PDU Jumper Cord (ROW)	JH019A#B2C
•	witch/Router to Wall Power Cord L6-20P Cord (NA/MEX/JP/TW)	JH019A#B2E
Configuration	on Rules:	
Note 1	The following Transceivers install into this switch: HPE X120 1G SFP RJ45 T Transceiver HPE X120 1G SFP LC SX Transceiver HPE X120 1G SFP LC LX Transceiver	JD089B JD118B JD119B
Note 2	The following Transceivers install into this switch: HPE X130 10G SFP+ LC SR Transceiver HPE X130 10G SFP+ LC LR Transceiver HPE X240 10G SFP+ SFP+ 0.65m DAC C-Cable HPE X240 10G SFP+ SFP+ 1.2m DAC C-Cable HPE X240 10G SFP+ SFP+ 3m DAC C-Cable	JD092B JD094B JH693A JH694A JH695A



Configuration

Note 3 Localization (Wall Power Cord) required on orders without #B2B, #B2C (PDU

Power Cord) or #B2E. (See Localization Menu)

Remarks: OCA Only Model Selection Form -

HPE Offering > Aruba > OfficeConnect - Unmanaged Switch: 1420 Switch

Series

Transceivers

SFP Transceivers

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

SFP+ Transceivers

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



Technical Specifications

HPE OfficeConnect 1420 16G Switch (JH016A)

I/O ports and slots 16 RJ-45 autosensing 10/100/1000 ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type

100BASE-TX, IEEE 802.3ab Type 1000BASE-T); Media Type: Auto-MDIX; Duplex: 10BASE-

T/100BASE-TX: half or full: 1000BASE-T: full only

Supports a maximum of 16 autosensing 10/100/1000 ports

Physical Dimensions

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

characteristics

1 MB flash; Packet buffer size: 512 KB

Mounting and enclosure

Mounts in an EIA standard 19-inch telco rack (hardware included); Wall, desktop and

under-table mounting

Performance 100 Mb Latency < 8 μs (LIFO 64-byte packets)

1000 Mb Latency < 16 μs (LIFO 64-byte packets) **Throughput** up to 23.8 Mpps (64-byte packets)

Switching capacity 32 Gbps
MAC address table 8192 entries

size

Reliability MTBF (years) 153.3

Environment Operating 32°F to 104°F (0°C to 40°C)

temperature

Operating relative 5% to 95%, noncondensing

humidity

Nonoperating/Storage -40°F to 158°F (-40°C to 70°C)

temperature

Nonoperating/Storage 5% to 95%, noncondensing

relative humidity

Altitude up to 16,404 ft (5 km)
Acoustic Power: 0 dB No fan

Electrical characteristics

Frequency 50/60 Hz

Voltage 100 - 240 VAC, rated

Current 0.2 A Maximum power 12 W

rating

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

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** IEC 61000-4-8

magnetic field

Voltage dips and

interruptions

IEC 61000-4-11

Harmonics IFC 61000-3-2 **Flicker** IEC 61000-3-3

Services Refer to the Hewlett Packard Enterprise website at http://www.hpe.com/networking/services for

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

HPE OfficeConnect 1420 24G 2SFP Switch (JH017A)

I/O ports and slots 24 RJ-45 autosensing 10/100/1000 ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type

100BASE-TX, IEEE 802.3ab Type 1000BASE-T); Media Type: Auto-MDIX; Duplex: 10BASE-

T/100BASE-TX: half or full; 1000BASE-T: full only

2 SFP 100/1000 Mbps ports

Supports a maximum of 24 autosensing 10/100/1000 ports plus 2 SFP ports

Physical 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

characteristics

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 < 8 µs (LIFO 64-byte packets) 100 Mb Latency

> 1000 Mb Latency < 16 µs (LIFO 64-byte packets) **Throughput** up to 38.7 Mpps (64-byte packets)

Switching capacity 52 Gbps MAC address table 8192 entries

size

Reliability MTBF (years) 126.1

Environment 32°F to 104°F (0°C to 40°C) **Operating**

temperature

Operating relative 5% to 95%, noncondensing

humidity

Nonoperating/Storage -40°F to 158°F (-40°C to 70°C)

temperature

Nonoperating/Storage 5% to 95%, noncondensing

relative humidity

Altitude up to 16,404 ft (5 km) Acoustic Power: 0 dB No fan

Electrical 50/60 Hz Frequency

characteristics Voltage 100 - 240 VAC, rated

Technical Specifications

Current 0.3 A Maximum power 18 W

rating

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
 IEC 61000-4-8

magnetic field

Voltage dips and IEC 61000-4-11

interruptions

Harmonics IEC 61000-3-2 Flicker IEC 61000-3-3

Notes Use only supported genuine HPE transceivers with your switch.

Services Refer to the Hewlett Packard Enterprise website at http://www.hpe.com/networking/services for

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

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

I/O ports and slots 24 RJ-45 autosensing 10/100/1000 ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type

100BASE-TX, IEEE 802.3ab Type 1000BASE-T); Media Type: Auto-MDIX; Duplex: 10BASE-

T/100BASE-TX: half or full; 1000BASE-T: full only

2 fixed 1000/10000 SFP+ ports

Supports a maximum of 24 autosensing 10/100/1000 ports plus 2 SFP+ ports

Physical Dimensions 17.32(w) x 9.37(d) x 1.73(h) in (44 x 23.8 x 4.4 cm) (1U

characteristics height)

Weight 6.39 lb (2.9 kg)

Memory and processor

8 MB flash; Packet buffer size: 1.5 MB

Mounting and enclosure

Mounts in an EIA standard 19-inch telco rack (hardware included); Desktop mounting

Performance 100 Mb Latency < 8 μs (LIFO 64-byte packets)

1000 Mb Latency < 16 μs (LIFO 64-byte packets)
10 Gbps Latency < 2 μs (LIFO 64-byte packets)

Throughput 4 65 5 Mps (64 byte packet)

Throughput up to 65.5 Mpps (64-byte packets)

Technical Specifications

Switching capacity 88 Gbps

MAC address table 16384 entries

size

Reliability MTBF (years) 109.4

Environment Operating 32°F to 104°F (0°C to 40°C)

temperature

Operating relative 5% to 95%, noncondensing

humidity

Nonoperating/Storage -40°F to 158°F (-40°C to 70°C)

temperature

Nonoperating/Storage 5% to 95%, noncondensing

relative humidity

Altitude up to 16,404 ft (5 km) **Acoustic** Power: 0 dB No fan

Electrical characteristics

Frequency 50/60 Hz

Voltage 100 - 240 VAC, rated

Current 0.4 A Maximum power 21 W

rating

NotesMaximum 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
 IEC 61000-4-8

magnetic field

Voltage dips and IEC 61000-4-11

interruptions

Harmonics IEC 61000-3-2 **Flicker** IEC 61000-3-3

Notes Use only supported genuine HPE transceivers with your switch.

Services Refer to the Hewlett Packard Enterprise website at http://www.hpe.com/networking/services for

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

HPE OfficeConnect 1420 24G PoE+ (124W) Switch (JH019A)

Technical Specifications

I/O ports and slots 24 RJ-45 autosensing 10/100/1000 ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type

100BASE-TX, IEEE 802.3ab Type 1000BASE-T); Media Type: Auto-MDIX; Duplex: 10BASE-

T/100BASE-TX: half or full; 1000BASE-T: full only

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

Physical characteristics

Dimensions 17.32(w) x 9.37(d) x 1.73(h) in (44 x 23.8 x 4.4 cm) (1U

height)

Weight 7.28 lb (3.3 kg)

Memory and processor

1 MB flash; Packet buffer size: 512 KB

Mounting and enclosure

Reliability

Mounts in an EIA standard 19-inch telco rack (hardware included); Desktop mounting

Performance 100 Mb Latency < 8 μs (LIFO 64-byte packets)

1000 Mb Latency < 16 μs (LIFO 64-byte packets) **Throughput** up to 35.7 Mpps (64-byte packets)

Switching capacity 48 Gbps

MAC address table 8192 entries

size

MTBF (years) 69.9

Environment Operating 32°F to 104°F (0°C to 40°C)

temperature

Operating relative 5% to 95%, noncondensing

humidity

Nonoperating/Storage -40°F to 158°F (-40°C to 70°C)

temperature

Nonoperating/Storage 5% to 95%, noncondensing

relative humidity

Altitude up to 16,404 ft (5 km)

Acoustic Power: 0 dB No fan

Electrical characteristics

Frequency 50/60 Hz

Voltage 100 - 240 VAC, rated

Current 0.3/1.8 A Maximum power 160 W

rating

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

Technical Specifications

EN EN 55024, CISPR 24

 ESD
 IEC 61000-4-2

 Radiated
 IEC 61000-4-3

 EFT/Burst
 IEC 61000-4-4

 Surge
 IEC 61000-4-5

 Conducted
 IEC 61000-4-6

 Power frequency
 IEC 61000-4-8

magnetic field

Voltage dips and

IEC 61000-4-11

interruptions

Harmonics IEC 61000-3-2 **Flicker** IEC 61000-3-3

Services Refer to the Hewlett Packard Enterprise website at http://www.hpe.com/networking/services for

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

HPE OfficeConnect 1420 5G Switch (JH327A)

I/O ports and slots 5 RJ-45 autosensing 10/100/1000 ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type

100BASE-TX, IEEE 802.3ab Type 1000BASE-T); Media Type: Auto-MDIX; Duplex: 10BASE-

T/100BASE-TX: half or full; 1000BASE-T: full only

Physical Dimensions 4.52(w) x 3.18(d) x 1.06(h) in (11.48 x 8.08 x 2.69 cm)

characteristics Weight 0.66 lb (0.3 kg)

Memory and processor

Packet buffer size: 1 Mb

Mounting and enclosure

Desktop (rear port)

Performance 100 Mb Latency $< 3 \mu s$

1000 Mb Latency < 2.6 μs

Throughput up to 7.4 Mpps

capacity

Routing/Switching 10 Gbps

oupuo...

MAC address table 2048 entries

size

Environment Operating 32°F to 104°F (0°C to 40°C)

temperature

Operating relative 15% to 95%, noncondensing

humidity

Nonoperating/Storage -40°F to 158°F (-40°C to 70°C)

temperature

Nonoperating/Storage 15% to 95%, noncondensing

relative humidity

Acoustic Fanless

Electrical Frequency 50/60 Hz

characteristics Voltage 100 - 240 VAC, rated

Technical Specifications

Maximum power

rating

3.0 W

Notes Maximum power rating and maximum heat dissipation are the worst-

case theoretical maximum numbers provided for planning the

infrastructure with fully loaded PoE (if equipped), 100% traffic, all ports

plugged in, and all modules populated.

Maximum power rating and maximum heat dissipation are the worst-

case theoretical maximum numbers provided for planning the

infrastructure with fully loaded PoE (if equipped), 100% traffic, all ports

plugged in, and all modules populated.

Safety UL 60950; IEC 60950-1; EN 60950-1; CAN/CSA-C22.2 No. 60950-1-03

Emissions FCC Rules Part 15, Subpart B Class A

Immunity Generic EN 55022 CISPR 22

EN EN 55024, CISPR 24

 ESD
 IEC 61000-4-2

 Radiated
 IEC 61000-4-3

 EFT/Burst
 IEC 61000-4-4

 Surge
 IEC 61000-4-5

 Conducted
 IEC 61000-4-6

 Power frequency
 IEC 61000-4-8

magnetic field

Voltage dips and

IEC 61000-4-11

interruptions

Harmonics IEC 61000-3-2 **Flicker** IEC 61000-3-3

Services Refer to the Hewlett Packard Enterprise website at http://www.hpe.com/networking/services for

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

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

I/O ports and slots 5 RJ-45 autosensing 10/100/1000 ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type

100BASE-TX, IEEE 802.3ab Type 1000BASE-T); Media Type: Auto-MDIX; Duplex: 10BASE-

T/100BASE-TX: half or full; 1000BASE-T: full only

Physical Dimensions 6.21(w) x 4.13(d) x 1.06(h) in (15.77 x 10.49 x 2.69 cm)

characteristics Weight 1.10 lb (0.5 kg)

Memory and processor

Packet buffer size: 1 Mb

Mounting and enclosure

Desktop (rear port)

Performance 100 Mb Latency $< 3 \mu s$

1000 Mb Latency < 2.6 μs

Throughput up to 7.4 Mpps

Routing/Switching

capacity

10 Gbps

MAC address table 2048 entries

size

Environment Operating 32°F to 104°F (0°C to 40°C)

Technical Specifications

Electrical

characteristics

temperature

Operating relative

humidity

15% to 95%, noncondensing

Nonoperating/Storage -40°F to 158°F (-40°C to 70°C)

temperature

Nonoperating/Storage 15% to 95%, noncondensing

relative humidity

Acoustic Fanless Frequency 50/60 Hz

Voltage 100 - 240 VAC, rated

Powered by PoE

Maximum power

rating

40 W

Notes Maximum power rating and maximum heat dissipation are the worst-

case theoretical maximum numbers provided for planning the infrastructure with fully loaded PoE (if equipped), 100% traffic, all ports

plugged in, and all modules populated.

PoE Power is the power supplied by the internal power supply, it is dependent on the type and quantity of power supplies and may be supplemented with the use of a External Power Supply (EPS). Maximum power rating and maximum heat dissipation are the worst-case theoretical maximum numbers provided for planning the

infrastructure with fully loaded PoE (if equipped), 100% traffic, all ports plugged in, and all modules populated. PoE Power is the power supplied by External Power Supply (EPS). This product provides PoE or PoE+ power across 4 of 5 ports, with a total power budget of 32W.

Please select the correct power cord country option.

Safety UL 60950; IEC 60950-1; EN 60950-1; CAN/CSA-C22.2 No. 60950-1-03

Emissions FCC Rules Part 15, Subpart B Class A

Immunity Generic EN 55022 CISPR 22

EN EN 55024, CISPR 24

 ESD
 IEC 61000-4-2

 Radiated
 IEC 61000-4-3

 EFT/Burst
 IEC 61000-4-4

 Surge
 IEC 61000-4-5

 Conducted
 IEC 61000-4-6

 Power frequency
 IEC 61000-4-8

magnetic field

Voltage dips and

interruptions

IEC 61000-4-11

Harmonics IEC 61000-3-2 Flicker IEC 61000-3-3

Services Refer to the Hewlett Packard Enterprise website at http://www.hpe.com/networking/services for

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

HPE OfficeConnect 1420 8G Switch (JH329A)

Technical Specifications

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 Dimensions 6.21(w) x 4.13(d) x 1.06(h) in (15.77 x 10.49 x 2.69 cm)

characteristics Weight 1.10 lb (0.5 kg)

Memory and processor

Packet buffer size: 1.5 Mb

Mounting and enclosure

Desktop (rear port)

Performance 100 Mb Latency $< 3 \mu s$ 1000 Mb Latency $< 2.6 \mu s$

Throughput up to 11.8 Mpps

Routing/Switching 16 Gbps

capacity

MAC address table 4096 entries

size

Environment Operating 32°F to 104°F (0°C to 40°C)

temperature

Operating relative

re 15% to 95% @ 104°F (40°C), noncondensing

humidity

Nonoperating/Storage -40°F to 158°F (-40°C to 70°C)

temperature

Nonoperating/Storage 15% to 95% @ 104°F (40°C), noncondensing

relative humidity

Acoustic Fanless Frequency 50/60 Hz

Electrical Frequency 50/60 Hz characteristics Voltage 100 - 240 VAC, rated

Maximum power 4.5 W

rating

Notes Maximum power rating and maximum heat dissipation are the worst-

case theoretical maximum numbers provided for planning the

infrastructure with fully loaded PoE (if equipped), 100% traffic, all ports

plugged in, and all modules populated.

Maximum power rating and maximum heat dissipation are the worst-

case theoretical maximum numbers provided for planning the

infrastructure with fully loaded PoE (if equipped), 100% traffic, all ports

plugged in, and all modules populated.

Safety EN 60950/IEC 60950; UL 60950; IEC 60950-1; EN 60950-1; CAN/CSA-C22.2 No.

60950-1-03

Emissions FCC Rules Part 15, Subpart B Class A

Immunity Generic EN 55022 CISPR 22

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

Technical Specifications

Conducted IEC 61000-4-6 **Power frequency** IEC 61000-4-8

magnetic field

Voltage dips and IEC 61000-4-11

interruptions

Harmonics IEC 61000-3-2 Flicker IEC 61000-3-3

Services Refer to the Hewlett Packard Enterprise website at http://www.hpe.com/networking/services for

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

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

I/O ports and slots 8 RJ-45 autosensing 10/100/1000 ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type

100BASE-TX, IEEE 802.3ab Type 1000BASE-T); Media Type: Auto-MDIX; Duplex: 10BASE-

T/100BASE-TX: half or full; 1000BASE-T: full only

Supports a maximum of 8 autosensing 10/100/1000 ports

Physical Dimensions 9.24(w) x 4.13(d) x 1.06(h) in (23.47 x 10.49 x 2.69 cm)

characteristics Weight 1.54 lb (0.7 kg)

Memory and processor

Packet buffer size: 1.5 Mb

Mounting and enclosure

Electrical

Desktop (rear port)

Performance 100 Mb Latency < 3 μs

1000 Mb Latency < 2.6 μs

Throughput up to 11.8 Mpps

Routing/Switching

capacity

16 Gbps

MAC address table

ole 4096 entries

size

Environment Operating 32°F to 104°F (0°C to 40°C)

temperature

Operating relative

15% to 95% @ 104°F (40°C), noncondensing

humidity

Nonoperating/Storage -40°F to 158°F (-40°C to 70°C)

temperature

Nonoperating/Storage 15% to 95% @ 104°F (40°C), noncondensing

relative humidity

Altitude up to 10,000 ft (3 km)

Acoustic Fanless Frequency 50/60 Hz

characteristics Voltage 100 - 240 VAC, rated

Maximum power 80 W

rating

PoE power 64 W PoE+

Notes Maximum power rating and maximum heat dissipation are the worst-

case theoretical maximum numbers provided for planning the



Technical Specifications

infrastructure with fully loaded PoE (if equipped), 100% traffic, all ports plugged in, and all modules populated.

PoE Power is the power supplied by the internal power supply, it is dependent on the type and quantity of power supplies and may be supplemented with the use of a External Power Supply (EPS). Maximum power rating and maximum heat dissipation are the worst-case theoretical maximum numbers provided for planning the infrastructure with fully loaded PoE (if equipped), 100% traffic, all ports

plugged in, and all modules populated. PoE Power is the power supplied by External Power Supply (EPS). This product provides PoE or PoE+ power across all 8 ports, with a total power budget of 64W.

Please select the correct power cord country option.

Safety CSA 22.2 No. 60950; EN 60950/IEC 60950; UL 60950-1

Emissions FCC Rules Part 15, Subpart B Class A

Immunity Generic EN 55022 CISPR 22

EN EN 55024, CISPR 24

 ESD
 IEC 61000-4-2

 Radiated
 IEC 61000-4-3

 EFT/Burst
 IEC 61000-4-4

 Surge
 IEC 61000-4-5

 Conducted
 IEC 61000-4-6

 Power frequency
 IEC 61000-4-8

magnetic field

Voltage dips and IEC 61000-4-11

interruptions

Harmonics IEC 61000-3-2 **Flicker** IEC 61000-3-3

Services Refer to the Hewlett Packard Enterprise website at http://www.hpe.com/networking/services for

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

HPE OfficeConnect 1420 24G Switch (JG708B)

I/O ports and slots 24 RJ-45 autosensing 10/100/1000 ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type

100BASE-TX, IEEE 802.3ab Type 1000BASE-T); Media Type: Auto-MDIX; Duplex: 10BASE-

T/100BASE-TX: half or full; 1000BASE-T: full only

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

Physical Dimensions 17.32(w) x 6.81(d) x 1.73(h) in (44 x 17.3 x 4.4 cm) (1U

height)

Weight 6.61 lb (3 kg)

Memory and processor

characteristics

1 MB flash; Packet buffer size: 512 KB

Mounting and enclosure

Mounts in an EIA standard 19-inch telco rack (hardware included); Desktop mounting

Performance 100 Mb Latency < 8.0 μs (LIFO 64-byte packets)

1000 Mb Latency < 16 μs (LIFO 64-byte packets) **Throughput** up to 35.7 Mpps (64-byte packets)

Switching capacity 48 Gbps

Technical Specifications

MAC address table 8192 entries

size

Environment Operating 32°F to 104°F (0°C to 40°C)

temperature

Operating relative 5% to 95% @ 104°F (40°C), noncondensing

humidity

Nonoperating/Storage -40°F to 158°F (-40°C to 70°C)

temperature

Nonoperating/Storage 5% to 90% @ 149°F (65°C), noncondensing

relative humidity

Altitude up to 16,404 ft (5 km)
Acoustic Power: 0 dB No fan

Electrical characteristics

Frequency 50/60 Hz

Maximum heat 55 BTU/hr (58 kJ/hr)

dissipation

Voltage 100 - 240 VAC, rated

Current 0.3 A **Maximum power** 16 W

rating

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
 IEC 61000-4-8

magnetic field

Voltage dips and IEC 61000-4-11

interruptions

Harmonics IEC 61000-3-2 **Flicker** IEC 61000-3-3

Notes HP 1410-24G-R Switch (JG708A), HPE OfficeConnect 1410 16 Switch (J9662A) and HPE

OfficeConnect 1410 24 Switch (J9663A) Switches.

Services Refer to the Hewlett Packard Enterprise website at http://www.hpe.com/networking/services for

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



Technical Specifications

Standards and General protocols protocols IEEE 802.1p Priority

(applies to all IEEE 802.3ab 1000BASE-T

products in series) 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 OfficeConnect 1420 Switch Series accessories

Cables	
HPE LC to LC Multi-mode OM3 2-Fiber 0.5m 1-Pack Fiber Optic Cable	AJ833A
HPE LC to LC Multi-mode OM3 2-Fiber 1.0m 1-Pack Fiber Optic Cable	AJ834A
HPE LC to LC Multi-mode OM3 2-Fiber 2.0m 1-Pack Fiber Optic Cable	AJ835A
HPE LC to LC Multi-mode OM3 2-Fiber 5.0m 1-Pack Fiber Optic Cable	AJ836A
HPE LC to LC Multi-mode OM3 2-Fiber 15.0m 1-Pack Fiber Optic Cable	AJ837A
HPE LC to LC Multi-mode OM3 2-Fiber 30.0m 1-Pack Fiber Optic Cable	AJ838A
HPE LC to LC Multi-mode OM3 2-Fiber 50.0m 1-Pack Fiber Optic Cable	AJ839A
HPE Premier Flex LC/LC Multi-mode OM4 2 fiber 1m Cable	QK732A
HPE Premier Flex LC/LC Multi-mode OM4 2 fiber 2m Cable	QK733A
HPE Premier Flex LC/LC Multi-mode OM4 2 fiber 5m Cable	QK734A
HPE Premier Flex LC/LC Multi-mode OM4 2 fiber 15m Cable	QK735A
HPE Premier Flex LC/LC Multi-mode OM4 2 fiber 30m Cable	QK736A
HPE Premier Flex LC/LC Multi-mode OM4 2 fiber 50m Cable	QK737A
HPE OfficeConnect 1420 24G 2SFP Switch (JH017A)	
Aruba 1G SFP LC LX 10km SMF Transceiver	J4859D
Aruba 1G SFP LC SX 500m OM2 MMF Transceiver	J4858D
Aruba 1G SFP RJ45 T 100m Cat5e Transceiver	J8177D
Aruba 100M SFP LC FX 2km MMF Transceiver	J9054D
HPE X120 1G SFP RJ45 T Transceiver	JD089B
HPE X120 1G SFP LC SX Transceiver	JD118B
HPE X120 1G SFP LC LX Transceiver	JD119B
HPE OfficeConnect 1420 24G 2SFP+ Switch (JH018A)	
Aruba 1G SFP LC LX 10km SMF Transceiver	J4859D
Aruba 1G SFP LC SX 500m OM2 MMF Transceiver	J4858D
Aruba 1G SFP RJ45 T 100m Cat5e Transceiver	J8177D
Aruba 100M SFP LC FX 2km MMF Transceiver	J9054D
HPE X240 10G SFP+ to SFP+ 0.65m Direct Attach Copper Campus-Cable	JH693A
HPE X240 10G SFP+ to SFP+ 1.2m Direct Attach Copper Campus-Cable	JH694A
HPE X240 10G SFP+ to SFP+ 3m Direct Attach Copper Campus-Cable	JH695A
HPE X120 1G SFP RJ45 T Transceiver	JD089B
HPE X130 10G SFP+ LC SR Transceiver	JD092B
HPE X130 10G SFP+ LC LR Transceiver	JD094B
HPE X120 1G SFP LC SX Transceiver	JD118B
HPE X120 1G SFP LC LX Transceiver	JD119B



Summary of Changes

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



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c04609036 - 15249 - Worldwide - V9 - 07-May-2018

