Overview



HP 2620 Switch Series Family

Models

Houcis	
HP 2620-24 Switch	J9623A
HP 2620-24-PPoE+ Switch	J9624A
HP 2620-24-PoE+ Switch	J9625A
HP 2620-48 Switch	J9626A
HP 2620-48-PoE+ Switch	J9627A

Key features

- Cost-effective access layer switches
- Lite Layer 3 IPv4/IPv6 static and RIP routing
- 30 W PoE+ support on PoE models
- Gigabit fiber uplinks
- Enterprise-class features



Overview

Product overview

The HP 2620 Switch Series consists of five switches with 10/100 connectivity. The HP 2620-24 Switch is a fanless switch with quiet operation, making it ideal for deployments in open spaces. The HP 2620-24-PPoE+ Switch, HP 2620-24-PoE+ Switch, and HP 2620-48-PoE+ Switch are IEEE 802.3af- and IEEE 802.3at-compliant switches and provide up to 30 W per powered port. The HP 2620-48 Switch has variable speed fans for quiet operation.

All 2620 series switches include two 10/100/1000BASE-T ports and two SFP slots for Gigabit Ethernet uplink connectivity. An optional redundant external power supply is also available to provide redundancy in the event of a power supply failure.

With IPv4/IPv6 static and RIP routing, robust security and management features, free lifetime warranty, and free software updates, the HP 2620 Switch Series is a cost-effective solution for customers who are building converged enterprise edge networks.

Features and benefits

Quality of Service (QoS)

• Layer 4 prioritization

enables prioritization based on TCP/UDP port numbers

- Traffic prioritization (IEEE 802.1p) allows real-time traffic classification into eight priority levels mapped to eight queues
- Class of Service (CoS) sets the IEEE 802.1p priority tag based on IP address, IP Type of Service (ToS), Layer 3 protocol, TCP/UDP port number, source port, and DiffServ
- Rate limiting sets per-port ingress enforced maximums and per-port, per-queue minimums

Connectivity

• Auto-MDIX

provides automatic adjustments for straight-through or crossover cables on all 10/100 and 10/100/1000 ports

- IPv6
 - IPv6 host

allows the switches to be managed and deployed at the edge of an IPv6 network

Dual stack (IPv4/IPv6)

provides a transition mechanism from IPv4 to IPv6; supports connectivity for both protocols

○ MLD snooping

forwards IPv6 multicast traffic to the appropriate interface; prevents IPv6 multicast traffic from flooding the network

• IEEE 802.3af Power over Ethernet (PoE)

provides up to 15.4 W per port to IEEE 802.3af-compliant PoE-powered devices such as IP phones, wireless access points, and security cameras

- IEEE 802.3at Power Over Ethernet Plus
 provides up to 30 W per port to IEEE 802.3 for PoE-/PoE+-powered devices such as video IP phones, IEEE 802.11n wireless
 access points, and advanced pan/tilt/zoom security cameras
- Pre-standard PoE support

detects and provides power to pre-standard PoE devices; see list of supported devices in the product FAQ at www.hp.com/networking/support

• Single IP address management provides single IP address management for a virtual stack of up to 16 switches

Resiliency and high availability



Overview

- External redundant power supply provides high reliability
- IEEE 802.3ad Link Aggregation Protocol (LACP) and HP port trunking support up to 24 trunks, each with up to 8 links (ports) per trunk
- IEEE 802.1s Multiple Spanning Tree provides high link availability in multiple VLAN environments by allowing multiple spanning trees
- NEW SmartLink provides easy-to-configure link redundancy of active and standby links

Manageability

• Dual flash images

provides independent primary and secondary operating system files for backup while upgrading

- Friendly port names allows assignment of descriptive names to ports
- Multiple configuration files stores easily to the flash image
- Port mirroring

enables traffic on a port to be simultaneously sent to a network analyzer for monitoring

• sFlow (RFC 3176)

delivers wire-speed traffic accounting and monitoring configured by SNMP and CLI with three terminal encrypted receivers

• RMON (remote monitoring)

provides advanced monitoring and reporting capabilities for statistics, history, alarms, and events

• Find-Fix-and-Inform

finds and fixes common network problems automatically, then informs the administrator

- NEW Comware CLI
- Comware-compatible CLI

bridges the experience of HP Comware CLI users who are using the HP ProVision software CLI

- **Display and fundamental Comware CLI commands** are embedded in the switch CLI as native commands; display output is formatted as on Comware-based switches, and fundamental commands provide a Comware-familiar initial switch setup
- Configuration Comware CLI commands when Comware commands are entered, CLI help is elicited to formulate the correct ProVision software CLI command

Layer 2 switching

- VLANs
 - provide support for 512 VLANs and 4,094 VLAN IDs
- Jumbo packet support

improves the performance of large data transfers; supports frame size of up to 9220 bytes

- IEEE 802.1v protocol VLANs isolate select non-IPv4 protocols automatically into their own VLANs
- NEW Per-VLAN Spanning Tree Plus (PVST+) allows each VLAN to build a separate spanning tree to improve link bandwidth usage in network environments with multiple V

Layer 3 routing

• Static IP routing

provides manually configured routing; includes ECMP capabilit

• Routing Information Protocol (RIP)



Overview

provides RIPv1 and RIPv2 routing

Security

• Access control lists (ACLs)

provide IP Layer 3 filtering based on source/destination IP address/subnet and source/destination TCP/UDP port number

• Source-port filtering

allows only specified ports to communicate with each other

• RADIUS/TACACS+

eases switch management security administration by using a password authentication server

• Secure shell

encrypts all transmitted data for secure remote CLI access over IP networks

Secure Sockets Layer (SSL)

encrypts all HTTP traffic, allowing secure access to the browser-based management GUI in the switch

• Port security

allows access only to specified MAC addresses, which can be learned or specified by the administrator

MAC address lockout

prevents particular configured MAC addresses from connecting to the network

• Secure FTP

allows secure file transfer to and from the switch; protects against unwanted file downloads or unauthorized copying of a switch configuration file

• Custom banner

displays security policy when users log in to the switch

• Identity-driven ACL

enables implementation of a highly granular and flexible access security policy and VLAN assignment specific to each authenticated network user

• STP BPDU port protection

blocks Bridge Protocol Data Units (BPDUs) on ports that do not require BPDUs, preventing forged BPDU attacks

• STP root guard

protects the root bridge from malicious attacks or configuration mistakes

• DHCP protection

blocks DHCP packets from unauthorized DHCP servers, preventing denial-of-service attacks

• Dynamic ARP protection

blocks ARP broadcasts from unauthorized hosts, preventing eavesdropping or theft of network data

- Multiple user authentication methods
 - O IEEE 802.1X

uses an IEEE 802.1X supplicant on the client in conjunction with a RADIUS server to authenticate in accordance with industry standards

 $\odot~$ Web-based authentication

provides a browser-based environment, similar to IEEE 802.1X, to authenticate clients that do not support the IEEE 802.1X supplicant

 $\circ~$ MAC-based authentication

authenticates the client with the RADIUS server based on the client's MAC address

- Authentication flexibility
 - Multiple IEEE 802.1X users per port

provides authentication of multiple IEEE 802.1X users per port; prevents a user from "piggybacking" on another user's IEEE 802.1X authentication

 $\,\circ\,\,$ Concurrent IEEE 802.1X, Web, and MAC authentication schemes per port

switch port will accept up to 32 sessions of IEEE 802.1X, Web, and MAC authentications

• Port mirroring for network threats



Overview

provides sampled port traffic using sFlow technology to the HP Network Immunity Manager (NIM) application for Network Behavior Anomaly Detection (NBAD) analysis to detect threats and mitigate threats at the port where the threat originated

• Per-port broadcast throttling

selectively configures broadcast control on heavy traffic port uplinks

Convergence

- IP multicast snooping and data-driven IGMP automatically prevent flooding of IP multicast traffi
- LLDP-MED (Media Endpoint Discovery) defines a standard extension of LLDP that stores values for parameters such as QoS and VLAN to automatically configure network devices such as IP phones
- IEEE 802.1AB Link Layer Discovery Protocol (LLDP) facilitates easy mapping using network management applications with LLDP automated device discovery protocol
- **PoE and PoE+ allocations** support multiple methods (automatic, IEEE 802.3at dynamic, LLDP-MED fine grain, IEEE 802.3af device class, or user specified) to allocate and manage PoE/PoE+ power for more efficient energy savings
- LLDP-CDP compatibility receives and recognizes CDP packets from Cisco's IP phones for seamless interoperation

Monitor and diagnostics

• Port mirroring

enables traffic on a port to be simultaneously sent to a network analyzer for monitoring

• Software updates free downloads from the Web

Flexibility

- Quiet operation
 - Fanless design (2620-24 switch)

enables quiet operation for deployment in open spaces

○ Variable-speed fans (2620-24-PPoE+, 2620-24-PoE+, 2620-48, and 2620-48-PoE+ switches)

improve fan speed for the operating environment while keeping noise and energy consumption levels to a minimum

- Flexible mounting
 - O Rackable

can be mounted in a standard 19-inch rack using included hardware

Surface mountable

can be mounted above or below a surface (such as on a desk or table) using included hardware

Warranty and support

- Lifetime Warranty 2.0 advance hardware replacement for as long as you own the product with next-business-day delivery (available in most countries)†
- Electronic and telephone support (for Lifetime Warranty 2.0)
 limited 24x7 telephone support is available from HP for the first 3 years; limited electronic and business hours telephone
 support is available from HP for the entire warranty period; to reach our support centers, refer to

 www.hp.com/networking/contact-support; for details on the duration of support provided with your product purchase, refer
 to www.hp.com/networking/warrantysummary
- Software releases to find software for your product, refer to www.hp.com/networking/support; for details on the software



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releases available with your product purchase, refer to www.hp.com/networking/warrantysummary

† Hardware warranty replacement for as long as you own the product, with next business day advance replacement (available in most countries) with a five-year hardware warranty replacement for the disk drive included with HP AllianceONE Services zl Module, HP Threat Management Services zl Module, HP PCM+ Agent with AllianceONE Services zl Module, and HP MSM765 zl Mobility Controller. For details, refer to the HP Software License, Warranty, and Support booklet at: www.hp.com/networking/warranty.



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 2620-24 Switch 2 autosensing 10/100/1000 port(RJ-45) 24 autosensing 10/100 ports (RJ-45) 2 open mini-GBIC (SFP) slots min=0 \ max=2 SFP Transceivers 1U - Height	J9623A See Configuration Note:1, 2
PDU CABLE NA/MEX/TW/JP • C15 PDU Jumper Cord (NA/MEX/TW/JP)	J9623A#B2B
 PDU CABLE ROW C15 PDU Jumper Cord (ROW) 	J9623A#B2C
HP 2620-24 PPoe+ Switch 2 autosensing 10/100/1000 port(RJ-45) 12 RJ-45 autosensing 10/100 ports 12 RJ-45 autosensing 10/100 PoE+ ports 2 open mini-GBIC (SFP) slots min=0 \ max=2 SFP Transceivers 1U - Height	J9624A See Configuration Note:1, 2
PDU CABLE NA/MEX/TW/JP • C15 PDU Jumper Cord (NA/MEX/TW/JP)	J9624A#B2B
 PDU CABLE ROW C15 PDU Jumper Cord (ROW) 	J9624A#B2C
HP 2620-24-PoE+ Switch 2 autosensing 10/100/1000 port(RJ-45) 24 RJ-45 autosensing 10/100 PoE+ ports 2 open mini-GBIC (SFP) slots min=0 \ max=2 SFP Transceivers 1U - Height	J9625A See Configuration Note:1, 2
PDU CABLE NA/MEX/TW/JP • C15 PDU Jumper Cord (NA/MEX/TW/JP)	J9625A#B2B
 PDU CABLE ROW C15 PDU Jumper Cord (ROW) 	J9625A#B2C
HP 2620-48 Switch	J9626A

Configuration	1	
 48 RJ-45 a 2 open mi 	itosensing 10/100/1000 port (RJ-45) nutosensing 10/100 ports (RJ-45) ni-GBIC (SFP) slots ax=2 SFP Transceivers it	See Configuration Note:1, 2
PDU CABLE NA/M • C15 PDU J	IEX/TW/JP umper Cord (NA/MEX/TW/JP)	J9626A#B2B
PDU CABLE ROW • C15 PDU J	umper Cord (ROW)	J9626A#B2C
 2 autosen 2 open mi	outosensing 10/100 PoE+ ports sing 10/100/1000 port (RJ-45) ni-GBIC (SFP) slots ax=2 SFP Transceivers	J9627A See Configuration Note:1, 2
PDU CABLE NA/M • C15 PDU J	IEX/TW/JP umper Cord (NA/MEX/TW/JP)	J9627A#B2B
PDU CABLE ROW • C15 PDU J	umper Cord (ROW)	J9627A#B2C
Configuration Ru	les:	
Note 1	The following Transceivers install into this Switch: J9054C - HP X111 100M SFP LC FX Transceiver J9099B - HP X112 100M SFP LC BX-D Transceiver J9100B - HP X112 100M SFP LC BX-U Transceiver J4860C - HP X121 1G SFP LC LH Transceiver J4859C - HP X121 1G SFP LC LX Transceiver J4858C - HP X121 1G SFP LC SX Transceiver J9142B - HP X122 1G SFP LC BX-D Transceiver J9143B - HP X122 1G SFP LC BX-U Transceiver J8177C - HP X121 1G SFP RJ45 T Transceiver	
Note 2	Localization required on orders without #B2B or #B2C options.	

Configuration Information - Factory Integrated Models - Box Level CTO

HP 2620-24 Swtich

J9623A



Configuration	
 2 autosensing 10/100/1000 port (RJ-45) 24 autosensing 10/100 ports (RJ-45) 2 open mini-GBIC (SFP) slots min=0 \ max=2 SFP Transceivers 1U - Height 	See Configuration Note:1, 2, 3
 PDU CABLE NA/MEX/TW/JP C15 PDU Jumper Cord (NA/MEX/TW/JP) 	J9623A#B2B
 PDU CABLE ROW C15 PDU Jumper Cord (ROW) 	J9623A#B2C
HP 2620-24 PPoe+ Switch 2 autosensing 10/100/1000 port (RJ-45) 12 RJ-45 autosensing 10/100 ports 12 RJ-45 autosensing 10/100 PoE+ ports 2 open mini-GBIC (SFP) slots min=0 \ max=2 SFP Transceivers 1U - Height	J9624A See Configuration Note:1, 2, 3
 PDU CABLE NA/MEX/TW/JP C15 PDU Jumper Cord (NA/MEX/TW/JP) 	J9624A#B2B
 PDU CABLE ROW C15 PDU Jumper Cord (ROW) 	J9624A#B2C
HP 2620-24-PoE+ Switch 24 RJ-45 autosensing 10/100 PoE+ ports 2 autosensing 10/100/1000 port(RJ-45) 2 open mini-GBIC (SFP) slots min=0 \ max=2 SFP Transceivers 1U - Height	J9625A See Configuration Note:1, 2, 3
 PDU CABLE NA/MEX/TW/JP C15 PDU Jumper Cord (NA/MEX/TW/JP) 	J9625A#B2B
 PDU CABLE ROW C15 PDU Jumper Cord (ROW) 	J9625A#B2C
HP 2620-48 Switch • 48 autosensing 10/100 ports (RJ-45) • 2 autosensing 10/100/1000 port(RJ-45) • 2 open mini-GBIC (SFP) slots • min=0 \ max=2 SFP Transceivers • 1U - Height	J9626A See Configuration Note:1, 2, 3

PDU CABLE NA/MEX/TW/JP

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J9626A#B2B

Configuration

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

PDU CABLE ROV • C15 PDU	W I Jumper Cord (ROW)	J9626A#B2C
 2 autose 2 open n	5 autosensing 10/100 PoE+ ports ensing 10/100/1000 port (RJ-45) nini-GBIC (SFP) slots max=2 SFP Transceivers	J9627A See Configuration Note:1, 2, 3
PDU CABLE NA/ • C15 PDU	/MEX/TW/JP I Jumper Cord (NA/MEX/TW/JP)	J9627A#B2B
PDU CABLE RO	W	J9627A#B2C
• C15 PDU	Jumper Cord (ROW)	
Configuration F	Rules:	
Note 1	The following Transceivers install into this Switch:	
	HP X111 100M SFP LC FX Transceiver	J9054C
	HP X112 100M SFP LC BX-D Transceiver	J9099B
	HP X112 100M SFP LC BX-U Transceiver	J9100B
	HP X121 1G SFP LC LH Transceiver	J4860C
	HP X121 1G SFP LC LX Transceiver	J4859C
	HP X121 1G SFP LC SX Transceiver	J4858C
	HP X122 1G SFP LC BX-D Transceiver	J9142B
	HP X122 1G SFP LC BX-U Transceiver	J9143B
	HP X121 1G SFP RJ45 T Transceiver	J8177C

- Note 2 Localization required on orders without #B2B or #B2C options.
- Note 3 If this switch is factory installed in HP Universal Racks, Then the J9583A#0D1 is required.

Remarks:

Drop down under power supply should offer the following options and results:

Switch/Router/Power Supply to PDU Power Cord - #B2B in North America, Mexico, Taiwan, and Japan or #B2C ROW. (Watson Default B2B or B2C for Rack Level CTO)

• Switch/Router/Power Supply to Wall Power Cord - Localized Option (Watson Default for BTO and Box Level CTO)

Internal Power Supplies



Configuration

• Power supplies included in base model.

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

Transceivers

SFP Transceivers	HP X111 100M SFP LC FX Transceiver	J9054C
	HP X112 100M SFP LC BX-D Transceiver	J9099B
	HP X112 100M SFP LC BX-U Transceiver	J9100B
	HP X121 1G SFP LC LH Transceiver	J4860C
	HP X121 1G SFP LC SX Transceiver	J4858C
	HP X121 1G SFP LC LX Transceiver	J4859C
	HP X122 1G SFP LC BX-D Transceiver	J9142B
	HP X122 1G SFP LC BX-U Transceiver	J9143B
	HP X121 1G SFP RJ45 T Transceiver	J8177C
Cables		
Multi-Mode Cables		
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 CableAJ839AHP Premier Flex LC/LC 0M4 2f 1m CblQK732AHP Premier Flex LC/LC 0M4 2f 2m CblQK733A



Configuratior	1	
	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
Switch Encl	osure Options	
Rack Mount Kit	System (std 0 // max 1) User Selection (min 1 // max 1) per switch enclosure	
	HP X410 1U Univ 4-post Rack Mnt Kit	J9583A See Configuration Note:1
Note 1	Default with switch.	
External Redundant Powe supplies	HP 630 Red and/or External Power Supply er Height = 1U	J9443A See Configuration Note:1, 2, 4
	HP 600 Redundant and Extrnl Power Supply Height = 1U	J8168A See Configuration Note:1, 3, 4
	Rules:	
Note 1	See BCS/HPN Rack Menu for integration details.	
Note 2	Supported on J9625A, J9627A only.	
Note 3	Supported on J9623A, J9624A, J9626A only.	
Note 4	Localization required	



Technical Specifications

HP 2620-24 Switch	I/O ports and slots	24 subscopping $10/100$ po	rts (IEEE 902 2 Tupo 108055-T IEEE 902 211 Tupo	
(J9623A)	1/0 poi ts and stots	24 autosensing 10/100 ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX); Media Type: Auto-MDIX; Duplex: half or full		
		1 RJ-45 serial console port		
			00 ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u)2.3ab Type 1000BASE-T); Duplex: 10BASE- l; 1000BASE-T: full only	
		2 open mini-GBIC (SFP) slo	ts	
	Physical characteristics	Dimensions	17.44(w) x 10(d) x 1.73(h) in (44.3 x 25.4 x 4.39 cm) (1U height)	
		Weight	5.71 lb (2.59 kg), Fully loaded	
	Memory and processor	Processor	PowerPC FreeScale 8313 @ 400 MHz, 512 MB flash, 512 MB SDRAM, 4 MB flash ROM; packet buffer size: 1 MB	
	Mounting	Mounts in an EIA-standard 19 in. telco rack or equipment cabinet (hardware included); horizontal surface mounting only		
	Performance	IPv6 Ready Certified		
		100 Mb Latency	< 8.3 µs (LIFO 64-byte packets)	
		1000 Mb Latency	< 2.9 µs (LIFO 64-byte packets)	
		Throughput	up to 9.5 million pps	
		Routing/Switching capacity	12.8 Gb/s	
		MAC address table size	16000 entries	
	Environment	Operating temperature	32°F to 131°F (0°C to 55°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 90% @ 149°F (65°C), noncondensing	
		Altitude	up to 10,000 ft (3 km)	
		Acoustic	Power: 0 dB, Pressure: 0 dB No Fan	
	Electrical characteristics	Achieved Miercom Certifi	ed Green Award	
		Frequency	50/60 Hz	
		Maximum heat dissipation	95 BTU/hr (100.23 kJ/hr)	
		AC v oltage	100-127/200-240 VAC	
		Maximum power rating	28 W	
		Idle power	13.3 W	
		PoE power	0 W	
	Safety	EN 60950/IEC 60950; CAN/CSA 22.2 No. 60950; EN 60825; UL 60950		
	Emissions	FCC Class A; VCCI Class A; E	N 55022/CISPR 22 Class A	

HP 2620 Switch Series

Technical Specifications

lechnical Specificatio	ns		
	Immunity	EN	EN 55024, CISPR 24
		ESD	IEC 61000-4-2
		Radiated	IEC 61000-4-3
		EFT/Burst	IEC 61000-4-4
		Surge	IEC 61000-4-5
		Conducted	IEC 61000-4-6
		Power frequency magnetic field	IEC 61000-4-8
		Voltage dips and interruptions	IEC 61000-4-11
		Harmonics	EN 61000-3-2, IEC 61000-3-2
		Flicker	EN 61000-3-3, IEC 61000-3-3
	Management	command-line interface; W	/eb browser
	Services	3-year, 4-hour onsite, 24x1 3-year, 4-hour onsite, 24x1 and SW updates (HS987E) 3-year, 24x7 SW phone sup Installation with minimum Installation with HP-provid 4-year, 4-hour onsite, 13x1 4-year, 4-hour onsite, 24x1 (HS997E) 4-year, 24x7 SW phone sup 5-year, 4-hour onsite, 24x1 5-year, 24x7 SW phone sup 3 Yr 6 hr Call-to-Repair Ons 5 Yr 6 hr Call-to-Repair Ons 1-year, 4-hour onsite, 13x1 1-year, 6 hour Call-To-Rep 1-year, 24x7 software pho 1-year, 24x7 software pho Hardware Exchange (HS96	site (HS994E) site (HT005E) 5 coverage for hardware (HS970E) 7 coverage for hardware (HS972E) air Onsite for hardware (HS974E) ne support, software updates (HS976E) 7 coverage for hardware, 24x7 software phone ates (HS977E) ne support, software updates + Next Business Day
		Hardware Exchange (HS97) 3-year, 24x7 software pho Exchange (HS979E)	ne support, software updates + Next Business Day 8E) ne support, software updates + 4 hour Hardware ne support, software updates + Next Business Day
			אר אראר שטוובא שוובא איז איז איז איז איז איז איז איז איז אי



Technical Specification	ons		
		Exchange (HS989E) 5-year, 24x7 software pho Hardware Exchange (HS99	one support, software updates + 4 hour Hardware one support, software updates + Next Business Day
		the service-level descripti	: www.hp.com/networking/services for details on ons and product numbers. For details about services Ir area, please contact your local HP sales office.
HP 2620-24-PPoE+ Switch I/O ports and slots (J9624A)			100 ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type: Auto-MDIX; Duplex: half or full
		5	100 PoE+ ports (IEEE 802.3 Type 10BASE-T, IEEE , IEEE 802.3at PoE+); Duplex: half or full
		1 RJ-45 serial console por	t
		2 autosensing 10/100/1000 ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T); Duplex: 10BASE- T/100BASE-TX: half or full; 1000BASE-T: full only	
		2 open mini-GBIC (SFP) slots	
	Physical characteristics	Dimensions	17.44(w) x 10(d) x 1.73(h) in (44.3 x 25.4 x 4.39 cm) (1U height)
		Weight	7.03 lb (3.19 kg)
	Memory and processor	Processor	PowerPC FreeScale 8313 @ 400 MHz, 512 MB flash, 512 MB SDRAM, 4 MB flash ROM; packet buffer size: 1 MB
	Mounting	Mounts in an EIA-standarc included); horizontal surfa	l 19 in. telco rack or equipment cabinet (hardware ace mounting only
	Performance	IPv6 Ready Certified	
		100 Mb Latency	< 8.3 µs (LIFO 64-byte packets)
		1000 Mb Latency	< 2.9 µs (LIFO 64-byte packets)
		Throughput	up to 9.5 million pps
		Routing/Switching capacity	12.8 Gb/s
		MAC address table size	16000 entries
	Environment	Operating temperature	32°F to 131°F (0°C to 55°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 90% @ 149°F (65°C), noncondensing
		Altitude	up to 10,000 ft (3 km)

HP 2620 Switch Series

Technical Specifications	
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	Acoustic	Power: 37.1 dB, Pressure: 25.9 dB
Electrical characteristics		
	Frequency	50/60 Hz
	Maximum heat dissipation	177 BTU/hr (186.74 kJ/hr), (switch only: 177 BTU/hr; combined switch + max. PoE devices: 679 BTU/hr)
	AC voltage	100-127/200-240 VAC
	Maximum power rating	38.5 W
	Idle power	22.0 W
	PoE power	128 W
Safety	EN 60950/IEC 60950; CAN/	CSA 22.2 No. 60950; EN 60825; UL 60950
Emissions	FCC Class A; VCCI Class A; EI	N 55022/CISPR 22 Class A
Immunity	EN	EN 55024, CISPR 24
	ESD	IEC 61000-4-2
	Radiated	IEC 61000-4-3
	EFT/Burst	IEC 61000-4-4
	Surge	IEC 61000-4-5
	Conducted	IEC 61000-4-6
	Power frequency magnetic field	IEC 61000-4-8
	Voltage dips and interruptions	IEC 61000-4-11
	Harmonics	EN 61000-3-2, IEC 61000-3-2
	Flicker	EN 61000-3-3, IEC 61000-3-3
Management	command-line interface; Web browser	
Services	 3-year, 4-hour onsite, 13x5 coverage for hardware (HS980E) 3-year, 4-hour onsite, 24x7 coverage for hardware (HS982E) 3-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 SW phone support and SW updates (HS987E) 3-year, 24x7 SW phone support, software updates (HS986E) Installation with minimum configuration, system-based pricing (U4826E) Installation with HP-provided configuration, system-based pricing (U4830E) 4-year, 4-hour onsite, 13x5 coverage for hardware (HS990E) 4-year, 4-hour onsite, 24x7 coverage for hardware (HS992E) 4-year, 4-hour onsite, 24x7 coverage for hardware (HS992E) 4-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone (HS997E) 4-year, 24x7 SW phone support, software updates (HS996E) 5-year, 4-hour onsite, 24x7 coverage for hardware (HT001E) 5-year, 4-hour onsite, 24x7 coverage for hardware (HT003E) 5-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone (HT008E) 5-year, 24x7 SW phone support, software updates (HT007E) 3 Yr 6 hr Call-to-Repair Onsite (HS994E) 	



Technical Specification	ons		
		1-year, 4-hour onsite, 2 1-year, 6 hour Call-To-1 1-year, 24x7 software 1 1-year, 24x7 software 1 1-year, 24x7 software 1 Hardware Exchange (HS 1-year, 24x7 software 1 exchange (HS969E) 3-year, 24x7 software 1 Hardware Exchange (HS 3-year, 24x7 software 1 Exchange (HS979E) 4-year, 24x7 software 1 Hardware Exchange (HS 4-year, 24x7 software 1 Exchange (HS989E) 5-year, 24x7 software 1 Exchange (HS989E) 5-year, 24x7 software 1 Exchange (HS989E) 5-year, 24x7 software 1 Exchange (HS999E) Refer to the HP website the service-level descri	13x5 coverage for hardware (HS970E) 24x7 coverage for hardware (HS972E) Repair Onsite for hardware (HS974E) phone support, software updates (HS976E) 24x7 coverage for hardware, 24x7 software phone updates (HS977E) phone support, software updates + Next Business Day 5968E) phone support, software updates + 4 hour hardware phone support, software updates + Next Business Day 5978E) phone support, software updates + 4 hour Hardware phone support, software updates + Next Business Day 5988E) phone support, software updates + 4 hour Hardware
HP 2620-24-PoE+ Switch (J9625A)	I/O ports and slots	802.3u Type 100BASE- Duplex: half or full 1 RJ-45 serial console p 2 autosensing 10/100/ Type 100BASE-TX, IEEE T/100BASE-TX: half or	1000 ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u 802.3ab Type 1000BASE-T); Duplex: 10BASE- full; 1000BASE-T: full only
	_	2 open mini-GBIC (SFP)	
	Physical characteristics	Dimensions	17.44(w) x 14.5(d) x 1.73(h) in (44.3 x 36.83 x 4.39 cm) (1U height)
		Weight	10.67 lb (4.84 kg), Fully loaded
	Memory and processor	Processor	PowerPC FreeScale 8313 @ 400 MHz, 512 MB flash, 512 MB SDRAM, 4 MB flash ROM; packet buffer size: 1 MB
	Mounting	Mounts in an EIA-stand included); horizontal su	ard 19 in. telco rack or equipment cabinet (hardware ırface mounting only
	Performance	IPv6 Ready Certified	
		100 Mb Latency	< 8.3 μs (LIFO)
		1000 Mb Latency	< 2.9 µs (LIFO)



HP 2620 Switch Series

Technical Specifications		
	Throughput	up to 9.5 million pps
	Routing/Switching capacity	12.8 Gb/s
	MAC address table size	16000 entries
Environment	Operating temperature	32°F to 131°F (0°C to 55°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 90% @ 149°F (65°C), noncondensing
	Altitude	up to 10,000 ft (3 km)
	Acoustic	Power: 34.0 dB, Pressure: 29.7 dB
Electrical characteristics	Achieved Miercom Certifie	ed Green Award
	Frequency	50/60 Hz
	Maximum heat dissipation	270 BTU/hr (284.85 kJ/hr), (switch only: 270 BTU/hr; combined switch + max. PoE devices: 1751 BTU/hr)
	AC voltage	100-127/200-240 VAC
	Maximum power rating	39.5 W
	Idle power	22.8 W
	PoE power	382 W
Safety	EN 60950/IEC 60950; CAN/	CSA 22.2 No. 60950; EN 60825; UL 60950
Emissions	FCC Class A; VCCI Class A; E	N 55022/CISPR 22 Class A
Immunity	EN	EN 55024, CISPR 24
	ESD	IEC 61000-4-2
	Radiated	IEC 61000-4-3
	EFT/Burst	IEC 61000-4-4
	Surge	IEC 61000-4-5
	Conducted	IEC 61000-4-6
	Power frequency magnetic field	IEC 61000-4-8
	Voltage dips and interruptions	IEC 61000-4-11
	Harmonics	EN 61000-3-2, IEC 61000-3-2
	Flicker	EN 61000-3-3, IEC 61000-3-3
Management	command-line interface; W	/eb browser
Services	3-year, 4-hour onsite, 24x 3-year, 4-hour onsite, 24x and SW updates (HS987E)	5 coverage for hardware (HS980E) 7 coverage for hardware (HS982E) 7 coverage for hardware, 24x7 SW phone support pport, software updates (HS986E)



Technical Specifications

HP 2620 Switch Series

		 Installation with minimum configuration, system-based pricing (U4826E) Installation with HP-provided configuration, system-based pricing (U4830E) 4-year, 4-hour onsite, 13x5 coverage for hardware (HS992E) 4-year, 4-hour onsite, 24x7 coverage for hardware (HS992E) 4-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone (HS997E) 4-year, 24x7 SW phone support, software updates (HS996E) 5-year, 4-hour onsite, 24x7 coverage for hardware (HT001E) 5-year, 4-hour onsite, 24x7 coverage for hardware (HT003E) 5-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone (HT008E) 5-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone (HT008E) 5-year, 24x7 SW phone support, software updates (HT007E) 3 Yr 6 hr Call-to-Repair Onsite (HS984E) 4 Yr 6 hr Call-to-Repair Onsite (HS994E) 5 Yr 6 hr Call-to-Repair Onsite (HT005E) 1-year, 4-hour onsite, 13x5 coverage for hardware (HS970E) 1-year, 4-hour onsite, 24x7 coverage for hardware (HS972E) 1-year, 4-hour onsite, 24x7 coverage for hardware (HS974E) 1-year, 24x7 software phone support, software updates (HS976E) 1-year, 24x7 software phone support, software updates + Next Business Day Hardware Exchange (HS968E) 3-year, 24x7 software phone support, software updates + 4 hour Hardware exchange (HS979E) 3-year, 24x7 software phone support, software updates + Next Business Day Hardware Exchange (HS988E) 4-year, 24x7 software phone support, software updates + Next Business Day Hardware Exchange (HS988E) 4-year, 24x7 software phone support, software updates + Next Business Day Hardware Exchange (HS988E) 4-year, 24x7 software phone suppo
		Refer to the HP website at: www.hp.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 HP sales office.
HP 2620-48 Switch (J9626A)	I/O ports and slots	48 autosensing 10/100 ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX); Media Type: Auto-MDIX; Duplex: half or full
		1 RJ-45 serial console port
		2 autosensing 10/100/1000 ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T); Duplex: 10BASE- T/100BASE-TX: half or full; 1000BASE-T: full only
		2 open mini-GBIC (SFP) slots



Technical Specifications

Physical characteristics	Dimensions	17.44(w) x 10(d) x 1.73(h) in (44.3 x 25.4 x 4.39 cm) (1U height)
	Weight	6.48 lb (2.94 kg), Fully loaded
Memory and processor	Processor	Power PC FreeScale 8313 @ 400 MHz, 512 MB flash, 512 MB SDRAM, 4 MB flash ROM; packet buffer size: 2 MB
Mounting	Mounts in an EIA-standard included); horizontal surfa	l 19 in. telco rack or equipment cabinet (hardware nounting only
Performance	IPv6 Ready Certified	
	100 Mb Latency	< 8.3 µs (LIFO)
	1000 Mb Latency	< 2.9 µs (LIFO)
	Throughput	up to 13.0 million pps
	Routing/Switching capacity	17.6 Gb/s
	MAC address table size	16000 entries
Environment	Operating temperature	32°F to 131°F (0°C to 55°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 90% @ 149°F (65°C), noncondensing
	Altitude	up to 10,000 ft (3 km)
	Acoustic	Power: 36.5 dB, Pressure: 24.5 dB
Electrical characteristics	Achieved Miercom Certifi	ed Green Award*
	Frequency	50/60 Hz
	Maximum heat dissipation	148 BTU/hr (156.14 kJ/hr)
	Voltage	100-127/200-240 VAC
	Maximum power rating	43.5 W
	Idle power	19.4 W
Safety	EN 60950/IEC 60950; CAN	/CSA 22.2 No. 60950; EN 60825; UL 60950
Emissions	FCC Class A; VCCI Class A; E	N 55022/CISPR 22 Class A
Immunity	EN	EN 55024, CISPR 24
	ESD	IEC 61000-4-2
	Radiated	IEC 61000-4-3
	EFT/Burst	IEC 61000-4-4
	Surge	IEC 61000-4-5
	Conducted	IEC 61000-4-6
	Power frequency magnetic field	IEC 61000-4-8



Technical Specifications

2112		
	Voltage dips and interruptions	IEC 61000-4-11
	Harmonics	EN 61000-3-2, IEC 61000-3-2
	Flicker	EN 61000-3-3, IEC 61000-3-3
Management	command-line interfac	e: Web browser
-		
Management Services	command-line interface 3-year, 4-hour onsite, 3-year, 4-hour onsite, and SW updates (HS98 3-year, 24x7 SW phone Installation with minim Installation with HP-pr 4-year, 4-hour onsite, 4-year, 4-hour onsite, (HS997E) 4-year, 24x7 SW phone 5-year, 4-hour onsite, 5-year, 4-hour onsite, 5-year, 4-hour onsite, 5-year, 4-hour onsite, 5-year, 24x7 SW phone 3 Yr 6 hr Call-to-Repain 4 Yr 6 hr Call-to-Repain 1-year, 4-hour onsite, 1-year, 4-hour onsite, 1-year, 4-hour onsite, 1-year, 4-hour onsite, 1-year, 4-hour onsite, 1-year, 4-hour onsite, 1-year, 24x7 software 1-year, 24x7 software 1-year, 24x7 software Hardware Exchange (H 3-year, 24x7 software Hardware Exchange (H 3-year, 24x7 software Hardware Exchange (H 3-year, 24x7 software Exchange (HS969E) 3-year, 24x7 software Hardware Exchange (H 3-year, 24x7 software Hardware Exchange (H 3-year, 24x7 software Exchange (HS979E) 4-year, 24x7 software Hardware Exchange (H 3-year, 24x7 software Exchange (HS989E) 5-year, 24x7 software Hardware Exchange (H 3-year, 24x7 software 4-year, 24x7 softw	te; Web browser 13x5 coverage for hardware (HS980E) 24x7 coverage for hardware, (HS982E) 24x7 coverage for hardware, 24x7 SW phone support 7E) e support, software updates (HS986E) num configuration, system-based pricing (U4826E) ovided configuration, system-based pricing (U4830E) 13x5 coverage for hardware (HS990E) 24x7 coverage for hardware (HS992E) 24x7 coverage for hardware (HS992E) 24x7 coverage for hardware, 24x7 software phone e support, software updates (HS996E) 13x5 coverage for hardware (HT001E) 24x7 coverage for hardware (HT003E) 24x7 coverage for hardware (HT007E) 7 Onsite (HS984E) 13x5 coverage for hardware (HS970E) 24x7 coverage for hardware (HS970E) 24x7 coverage for hardware (HS977E) 24x7 coverage for hardware, 24x7 software phone updates (HS977E) phone support, software updates + Next Business Day S968E) phone support, software updates + 4 hour hardware phone support, software updates + 4 hour Hardware phone support, software updates + Next Business Day S978E) phone support, software updates + Next Business Day S978B) phone support, software updates + Next Business Day S988E) phone support, software updates + Next Business Day S988E) phone support, software updates + Next Business Day S988E) phone support, software updates + A hour Hardware phone support, software updates + A hour Hardware phone support, software updates + Next Business Day S988E) phone support, software updates + Next Business Day S988E) phone support, software updates + Next Business Day S988E) phone support, software updates + Next Business Day S988E)
	Exchange (HS999E)	
	Defendently UD - 1 1	
		e at: www.hp.com/networking/services for details on

the service-level descriptions and product numbers. For details about services

Technical Specifications

		and response times in you	Ir area, please contact your local HP sales office.	
HP 2620-48-PoE+ Switch (J9627A)	I/O ports and slots	48 RJ-45 autosensing 10/100 PoE+ ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3at PoE+); Media Type: Auto-MDIX; Duplex: half or full		
		1 RJ-45 serial console por	t	
		2 autosensing 10/100/1000 ports (IEEE 802.3 Type 10BASE- Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T); Duplex: T/100BASE-TX: half or full; 1000BASE-T: full only		
		2 open mini-GBIC (SFP) slo	ots	
	Physical characteristics	Dimensions	17.44(w) x 14.5(d) x 1.73(h) in (44.3 x 36.83 x 4.39 cm) (1U height)	
		Weight	11.53 lb (5.23 kg), Fully loaded	
	Memory and processor	Processor	Power PC FreeScale 8313 @ 400 MHz, 512 MB flash, 512 MB SDRAM, 4 MB flash ROM; packet buffer size: 2 MB	
	Mounting	Mounts in an EIA-standard 19 in. telco rack or equipment cabinet (hardware included); horizontal surface mounting only		
	Performance	IPv6 Ready Certified		
		100 Mb Latency	< 8.3 µs (LIFO)	
		1000 Mb Latency	< 2.9 µs (LIFO)	
		Throughput	up to 13.0 million pps	
		Routing/Switching capacity	17.6 Gb/s	
		MAC address table size	16000 entries	
	Environment	Operating temperature	32°F to 131°F (0°C to 55°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 90% @ 149°F (65°C), noncondensing	
		Altitude	up to 10,000 ft (3 km)	
		Acoustic	Power: 34.0 dB, Pressure: 25.3 dB	
	Electrical characteristics	Achieved Miercom Certifi	ed Green Award	
		Frequency	50/60 Hz	
		Maximum heat dissipation	325 BTU/hr (342.88 kJ/hr), (switch only: 325 BTU/hr; combined switch + max. PoE devices: 1833 BTU/hr)	
		AC oltage	100-127/200-240 VAC	
		Maximum power rating	54.9 W	
		Idle power	29.6 W	



Technical Specifications

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	PoE power	382 W
Safety	EN 60950/IEC 60950; CAN/	'CSA 22.2 No. 60950; EN 60825; UL 60950
Emissions	FCC Class A; VCCI Class A; E	N 55022/CISPR 22 Class A
Immunity	EN	EN 55024, CISPR 24
	ESD	IEC 61000-4-2
	Radiated	IEC 61000-4-3
	EFT/Burst	IEC 61000-4-4
	Surge	IEC 61000-4-5
	Conducted	IEC 61000-4-6
	Power frequency magnetic field	IEC 61000-4-8
	Voltage dips and interruptions	IEC 61000-4-11
	Harmonics	EN 61000-3-2, IEC 61000-3-2
	Flicker	EN 61000-3-3, IEC 61000-3-3
Management	command-line interface; W	/eb browser
	command-line interface; Web browser 3-year, 4-hour onsite, 13x5 coverage for hardware (HS980E) 3-year, 4-hour onsite, 24x7 coverage for hardware (HS982E) 3-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 SW phone support and SW updates (HS987E) 3-year, 24x7 SW phone support, software updates (HS986E) Installation with minimum configuration, system-based pricing (U4826E) Installation with HP-provided configuration, system-based pricing (U4830E) 4-year, 4-hour onsite, 13x5 coverage for hardware (HS990E) 4-year, 4-hour onsite, 24x7 coverage for hardware (HS992E) 4-year, 4-hour onsite, 24x7 coverage for hardware (HS992E) 4-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone (HS997E) 4-year, 24x7 SW phone support, software updates (HS996E) 5-year, 4-hour onsite, 13x5 coverage for hardware (HT001E) 5-year, 4-hour onsite, 24x7 coverage for hardware (HT003E) 5-year, 4-hour onsite, 24x7 coverage for hardware (HT003E) 5-year, 24x7 SW phone support, software updates (HT007E) 3 Yr 6 hr Call-to-Repair Onsite (HS984E) 4 Yr 6 hr Call-to-Repair Onsite (HS984E) 5 Yr 6 hr Call-to-Repair Onsite (HS994E) 5 Yr 6 hr Call-to-Repair Onsite (HT005E) 1-year, 4-hour onsite, 24x7 coverage for hardware (HS970E) 1-year, 4-hour onsite, 24x7 coverage for hardware (HS970E) 1-year, 4-hour onsite, 24x7 coverage for hardware (HS970E) 1-year, 24x7 software phone support, software updates (HS976E) 1-year, 24x7 software phone support, software updates (HS976E) 1-year, 24x7 software phone support, software updates (HS976E) 1-year, 24x7 software phone support, software updates + Next Business Day Hardware Exchange (HS968E) 1-year, 24x7 software phone support, software updates + 4 hour hardware	



Technical Specifications 3-year, 24x7 software phone support, software updates + Next Business Day Hardware Exchange (HS978E) 3-year, 24x7 software phone support, software updates + 4 hour Hardware Exchange (HS979E) 4-year, 24x7 software phone support, software updates + Next Business Day Hardware Exchange (HS988E) 4-year, 24x7 software phone support, software updates + 4 hour Hardware Exchange (HS989E) 5-year, 24x7 software phone support, software updates + Next Business Day Hardware Exchange (HS998E) 5-year, 24x7 software phone support, software updates + 4 hour Hardware Exchange (HS999E) Refer to the HP website at: www.hp.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 HP sales office. **Standards and protocols Device management** (applies to all products in RFC 1591 DNS (client) series) HTML and telnet management **General protocols** IEEE 802.1D MAC Bridges IEEE 802.1p Priority IEEE 802.1Q VLANs IEEE 802.1s Multiple Spanning Trees IEEE 802.1v VLAN classification by Protocol and Port IEEE 802.1w Rapid Reconfiguration of Spanning Tree IEEE 802.3ad Link Aggregation Control Protocol (LACP) IEEE 802.3x Flow Control RFC 768 UDP RFC 783 TFTP Protocol (revision 2) RFC 792 ICMP RFC 793 TCP RFC 826 ARP **RFC 854 TELNET RFC 868 Time Protocol RFC 951 BOOTP** RFC 1058 RIPv1 RFC 1350 TFTP Protocol (revision 2) RFC 1542 BOOTP Extensions RFC 2030 Simple Network Time Protocol (SNTP) v4 RFC 2131 DHCP RFC 2453 RIPv2 **RFC 3046 DHCP Relay Agent Information Option**

IP multicast

RFC 3376 IGMPv3 (host joins only)

IPv6

RFC 1981 IPv6 Path MTU Discovery RFC 2460 IPv6 Specification



Technical Specifications

RFC 2710 Multicast Listener Discovery (MLD) for IPv6 RFC 2925 Remote Operations MIB (Ping only) RFC 3019 MLDv1 MIB RFC 3315 DHCPv6 (client only) RFC 3513 IPv6 Addressing Architecture RFC 3596 DNS Extension for IPv6 RFC 3810 Multicast Listener Discovery Version 2 (MLDv2) for IPv6 RFC 4022 MIB for TCP RFC 4113 MIB for UDP RFC 4251 SSHv6 Architecture RFC 4252 SSHv6 Authentication RFC 4253 SSHv6 Transport Layer RFC 4254 SSHv6 Connection RFC 4293 MIB for IP RFC 4419 Key Exchange for SSH RFC 4443 ICMPv6 RFC 4541 IGMP & MLD Snooping Switch RFC 4861 IPv6 Neighbor Discovery RFC 4862 IPv6 Stateless Address Auto-configuration

MIBs

RFC 1213 MIB II RFC 1493 Bridge MIB RFC 1724 RIPv2 MIB RFC 2021 RMONv2 MIB RFC 2096 IP Forwarding Table MIB RFC 2613 SMON MIB RFC 2618 RADIUS Client MIB RFC 2620 RADIUS Accounting MIB RFC 2665 Ethernet-Like-MIB RFC 2668 802.3 MAU MIB RFC 2674 802.1p and IEEE 802.1Q Bridge MIB RFC 2737 Entity MIB (Version 2) RFC 2863 The Interfaces Group MIB RFC 2925 Ping MIB

Network management

IEEE 802.1AB Link Layer Discovery Protocol (LLDP) RFC 2819 Four groups of RMON: 1 (statistics), 2 (history), 3 (alarm) and 9 (events) RFC 3176 sFlow ANSI/TIA-1057 LLDP Media Endpoint Discovery (LLDP-MED) SNMPv1/v2c/v3 XRMON

QoS/CoS

RFC 2474 DiffServ Precedence, including 8 queues/port RFC 2597 DiffServ Assured Forwarding (AF) RFC 2598 DiffServ Expedited Forwarding (EF) Ingress Rate Limiting



HP 2620 Switch Series

Technical Specifications

Security

IEEE 802.1X Port Based Network Access Control RFC 1492 TACACS+ RFC 2138 RADIUS Authentication RFC 2866 RADIUS Accounting Secure Sockets Layer (SSL)



Accessories

Transceivers	HP X121 1G SFP LC SX Transceiver	J4858C
	HP X121 1G SFP LC LX Transceiver	J4859C
	HP X121 1G SFP LC LH Transceiver	J4860C
	HP X121 1G SFP RJ45 T Transceiver	J8177C
	HP X111 100M SFP LC FX Transceiver	J9054C
	HP X112 100M SFP LC BX-D Transceiver	J9099B
	HP X112 100M SFP LC BX-U Transceiver	J9100B
	HP X122 1G SFP LC BX-D Transceiver	J9142B
	HP X122 1G SFP LC BX-U Transceiver	J9143B
Cables	HP 0.5 m Multimode OM3 LC/LC Optical Cable	AJ833A
	HP 1 m Multimode OM3 LC/LC Optical Cable	AJ834A
	HP 2 m Multimode OM3 LC/LC Optical Cable	AJ835A
	HP 5 m Multimode OM3 LC/LC Optical Cable	AJ836A
	HP 15 m Multimode OM3 LC/LC Optical Cable	AJ837A
	HP 30 m Multimode OM3 LC/LC Optical Cable	AJ838A
	HP 50 m Multimode OM3 LC/LC Optical Cable	AJ839A
	NEW HP Premier Flex LC/LC Multi-mode OM4 2 fiber 1m Cable	QK732A
	NEW HP Premier Flex LC/LC Multi-mode OM4 2 fiber 2m Cable	QK733A
	NEW HP Premier Flex LC/LC Multi-mode OM4 2 fiber 5m Cable	QK734A
	NEW HP Premier Flex LC/LC Multi-mode OM4 2 fiber 15m Cable	QK735A
	NEW HP Premier Flex LC/LC Multi-mode OM4 2 fiber 30m Cable	QK736A
	NEW HP Premier Flex LC/LC Multi-mode OM4 2 fiber 30m Cable	QK737A
Mounting Kit	HP X410 1U Universal 4-post Rack Mounting Kit	J9583A
HP 2620-24 Switch (J9623A)	HP 600 Redundant and External Power Supply	J8168A
HP 2620-24-PPoE+ Switc (J9624A)	h HP 600 Redundant and External Power Supply	J8168A
HP 2620-24-PoE+ Switch	HP 630 Redundant and/or External Power Supply	J9443A
(J9625A)	HP 620 Redundant/External Power Supply	J8696A
HP 2620-48 Switch (J9626A)	HP 600 Redundant and External Power Supply	J8168A
HP 2620-48-PoE+ Switch	HP 630 Redundant and/or External Power Supply	J9443A
(J9627A)	HP 620 Redundant/External Power Supply	J8696A



HP 2620 Switch Series

Accessory Product Details

HP X121 1G SFP LC SX	Ports	1 LC 1000BASE-SX port; Duplex: full only
Transceiver (J4858C)	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)
A small form-factor pluggable (SFP) Gigabit SX	Environment	Transceiver form factor: SFP
transceiver that provides a		Operating temperature: 32°F to 158°F (0°C to 70°C) Operating relative humidity: 5% to 85%, noncondensing
full-duplex Gigabit solution	I	Nonoperating/Storage temperature: -40°F to 203°F (-40°C to 85°C)
up to 550 m on multimode fiber.		Altitude: up to 10,000 ft. (3 km)
nuer.	Electrical characteristics	
		Power consumption maximum: 0.7 W
	Cabling	Туре:
		 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;
		Maximum distance:
		 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)
		Cable length: 2-550m
		Fiber type: Multi Mode
	Services	Refer to the HP website at www.hp.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 HP sales office.
HP X121 1G SFP LC LX	Ports	1 LC 1000BASE-LX port (IEEE 802.3z Type 1000BASE-LX); Duplex: full only
Transceiver (J4859C)	Physical characteristics	Dimensions: $2.24(d) \times 0.54(w) \times 0.486(h)$ in. (5.69 x 1.37 x 1.23 cm)
		Weight:0.04 lb. (0.02 kg)
HP X121 1G SFP LC LX	Environment	Operating temperature: 32°F to 158°F (0°C to 70°C)
Transceiver: An SFP format gigabit transceiver with LC		Operating relative humidity: 0% to 85%, noncondensing
connectors using LX		Nonoperating/Storage temperature: -40°F to 212°F (-40°C to 100°C)
technology.	Cabling	Altitude: up to 10,000 ft. (3 km)
	Cabling	Туре:
		 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)



Accessory Product De	etails	
		• 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 HP website at www.hp.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 HP sales office.
HP X121 1G SFP LC LH Transceiver (J4860C)	Ports	1 LC 1000BASE-LH port (no IEEE standard exists for 1550 nm optics); Duplex: full only
A small form-factor	Physical characteristics	Dimensions: 2.17(d) x 0.60(w) x 0.46(h) in. (5.5 x 1.53 x 1.18 cm) Weight: 0.04 lb. (0.02 kg)
pluggable (SFP) Gigabit LH	Environment	Operating temperature: -40°F to 185°F (-40°C to 85°C)
transceiver that provides a full-duplex Gigabit solution		Operating relative humidity: 0% to 95% @ 77°F (25°C), noncondensing
up to 70 km on single- mode fiber.		Nonoperating/Storage temperature: -40°F to 185°F (-40°C to 85°C) Altitude: up to 10,000 ft. (3 km)
	Cabling	Cable type:
		 Low metal content, single-mode fiber-optic, complying with ITU-T G.652 and ISO/IEC 793-2 Type B1;
		Maximum distance:
		• 10-70,000 m (single-mode fiber)
	Notes	Power consumption is 0.8 watts typical with 1 watt maximum at 100% utilization.
		For distances less than 20 km, a 10 dB attenuator must be used.
		For distances between 20 km and 40 km, a 5 dB attenuator must be used. Attenuators can be purchased from most cable vendors.
	Services	Refer to the HP website at www.hp.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 HP sales office.

Accessory Product Details			
HP X121 1G SFP RJ45 T	Ports	1 RJ-45 1000BASE-T port (IEEE 802.3ab Type 1000BASE-T); Duplex: full only	
Transceiver (J8177C)	Physical characteristics	Dimensions: 2.71(d) x 0.54(w) x 0.55(h) in. (6.88 x 1.37 x 1.4 cm) Weight: 0.06 lb. (0.03 kg)	
HP X121 1G SFP RJ45 T Transceiver: An SFP format gigabit transceiver with	Environment	Operating temperature: 32°F to 158°F (0°C to 70°C); with 100 LFM airflow over the SFP module	
RJ45 connectors using		Operating relative humidity: 0% to 95% @ 75°F (25°C), noncondensing	
1000BaseT technology.		Nonoperating/Storage temperature: -40°F to 185°F (-40°C to 85°C)	
		Nonoperating/Storage relative humidity: 0% to 95% @ 77°F (25°C), noncondensing	
		Altitude: up to 10,000 ft. (3000 km)	
	Cabling	Cable type: 1000BASE-T: Category 5 (5E or better recommended), 100 Ù differential 4- pair unshielded twisted pair (UTP) or shielded twisted pair (STP) balanced, complying with IEEE 802.3ab 1000BASE-T;	
		Maximum distance:	
		• 100 m	
	Notes	Power consumption is nominally 1 watt. For supported platforms and minimum software requirements to support this product, see the document titled "Support for the J8177C 1000Base-T Mini- GBIC" on the "HP Mini-GBICs and SFPs" Manuals Web page. The J8177C Gigabit copper mini-GBIC is not supported on dual-personality ports. The J8177C is capable of 100 Mb operation. This is supported on only the HP E8200zl, E5400zl, and HP E6200-24G-mGBIC yl Switches using software version K.12.21 or later. Use the "auto-100" port setting to enable 100 Mb operation. Important: The earlier J8177B does not support 100 Mb operation. When used in the Switch gl 20-Port 10/100/1000 Module (J4908A), the J8177C mini-GBIC	
		can be installed in either the upper or lower mini-GBIC port, but will block access to the other port.	
	Services	Refer to the HP website at www.hp.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 HP sales office.	



Accessory Product Details				
HP X111 100M SFP LC FX Transceiver (J9054C)	Ports Physical characteristics		E 802.3u Type 100BASE-FX); Duplex: half or full w) x 0.48(h) in. (6.86 x 1.38 x 1.22 cm)	
	Environment Cabling	Operating temperature: 32 Operating relative humidit	y: 5% to 95% 1perature: -40ºF to 185ºF (-40ºC to 85ºC) ative humidity: 5% to 85%	
		 62.5/125 μm or 50/ metal content, mult 	125 µm (core/cladding) diameter, graded-index, low imode fiber optic, complying with ITU-T G.651 and A1b or A1a, respectively	
		Maximum distance:		
	Notes	• 2 km (full duplex) or Transmitter wavelength: 1 Power consumption is 1.1	310nm	
	Services	product, see the document Transceiver" on the "HP Mi Refer to the HP website at service-level descriptions	nd minimum software requirements to support this t titled "Support for the J9054B 100-FX SFP-LC ni-GBICs and SFPs" Manuals Web page. www.hp.com/networking/services for details on the and product numbers. For details about services and ra, please contact your local HP sales office.	
HP X112 100M SFP LC BX-I Transceiver (J9099B)) Ports	1 LC 100BASE-BX10 port (IEEE 802.3ah Type 100BASE-BX10-D); Duplex: full only		
A small form-factor pluggable (SFP) 100-	Physical characteristics	Dimensions	2.7(d) x 0.55(w) x 0.48(h) in. (6.86 x 1.39 x 1.22 cm)	
		Weight	0.04 lb. (0.03 kg)	
Megabit BX (bi-directional) "downstream" transceiver	Environment	Operating temperature	32ºF to 158ºF (0ºC to 70ºC)	
that provides 100 Mbps full-duplex connectivity up to 10 km on one strand of singlemode fiber. The J9099B connects to the J9100B "upstream" transceiver, or to any IEEE- standard 100BASE-BX10-U ("upstream") device.		Operating relative humidity	0% to 95%, noncondensing	
		Nonoperating/Storage temperature	-40ºF to 185ºF (-40ºC to 85ºC)	
	Cabling	Туре:		
		Single-mode fiber optic, co	omplying with ITU-T G.652;	
		Maximum distance:		
		• 0.5-10,000 m (singl	e-mode fiber)	
	Notes	Power consumption is 1.1 For supported platforms a	0 nm. Receive wavelength: 1310 nm. watt maximum. Ind minimum software requirements to support this t titled "Support for the HP BX Transceivers" on the	



HP 2620 Switch Series

Accessory Product De	tails		
	Services	standard 100BASE-BX10-	Manuals Web page. ne J9100B "upstream" transceiver, or to any IEEE- U ("upstream") device. (A 100-BX-D transceiver can ·U product. You cannot connect two 100-BX-D
		the service-level descripti	www.hp.com/networking/services for details on ons and product numbers. For details about services ir area, please contact your local HP sales office.
HP X112 100M SFP LC BX-U Transceiver (J9100B)	Ports	1 LC 100BASE-BX10 port (IEEE 802.3ah Type 100BASE-BX10-U); Duplex: fu only	
A small form-factor	Physical characteristics	Dimensions	2.7(d) x 0.55(w) x 0.48(h) in. (6.86 x 1.39 x 1.22 cm)
pluggable (SFP) 100-		Weight	0.07 lb. (.03 kg)
Megabit BX (bi-directional) "upstream" transceiver	Environment	Operating temperature	32ºF to 158ºF (0ºC to 70ºC)
that provides 100 Mbps full-duplex connectivity up		Operating relative humidity	0% to 95%, noncondensing
to 10 km on one strand of singlemode fiber. The J9100B connects to the		Nonoperating/Storage temperature	-40ºF to 185ºF (-40ºC to 85ºC)
J9099B "downstream"		Туре:	
transceiver, or to any IEEE- standard 100BASE-BX10-D		Single-mode fiber optic, c	omplying with ITU-T G.652;
("downstream") device.		Maximum distance:	
		• 0.5-10,000 m (sing	le-mode fiber)
	Notes	For supported platforms and minimum software requirements to support this product, see the document titled "Support for the HP BX Transceivers" on the "HP Mini-GBICs and SFPs" Manuals Web page. The J9100B connects to the J9099B "downstream" transceiver, or to any IEEE standard 100BASE-BX10- D ("downstream") device. (A 100-BX-U transceiver can only connect to a 100-BX-D product. You cannot connect two 100-BX-U transceivers together.) Transmit wavelength: 1310 nm. Receive wavelength: 1550 nm. Power consumption is 1.1 watts maximum.	
	Services	the service-level descripti	www.hp.com/networking/services for details on ons and product numbers. For details about services ir area, please contact your local HP sales office.



Accessory Product Details

HP X122 1G SFP LC BX-D Transceiver (J9142B)	Ports	1 LC 1000BASE-BX10 port full only	(IEEE 802.3ah Type 1000BASE-BX10-D); Duplex:
A small form-factor pluggable (SFP) Gigabit-BX (bi-directional) "downstream" transceiver	Physical characteristics	Dimensions	2.19(d) x 0.54(w) x 0.46(h) in. (5.57 x 1.37 x 1.18 cm)
		Weight	0.04 lb. (0.02 kg)
	Environment	Operating temperature	32ºF to 158ºF (0ºC to 70ºC)
that provides a full-duplex Gigabit solution up to 10		Operating relative humidity	0% to 95%, non-condensing
km on one strand of single-mode fiber. The J9142B connects to the		Non-operating/ Storage temperature	–40ºF to 185ºF –40ºC to 85ºC)
J9143B "upstream" transceiver, or to any IEEE-		Type: Single-mode fiber optic, complying with ITU-T G.652;	
standard 1000BASE-BX10- U ("upstream") device.	-	Maximum distance:	
		• 0.5-10,000 m (singl	e-mode fiber)
	Notes	Transmit wavelength: 1490 nm. Receive wavelength: 1310 nm. Power consumption is 1 watt maximum. For supported platforms and minimum software requirements to support this product, see the document titled "Support for the HP BX Transceivers" on the "HP Mini-GBICs and SFPs" Manuals Web page. The J9142B connects to the J9143B "upstream" transceiver, or to any IEEE- standard 1000BASE-BX10-U ("upstream") device. (A 1000-BX-D transceiver can only connect to a 1000-BX-U product. You cannot connect two 1000-BX-D transceivers together.)	
	Services	Refer to the HP website at www.hp.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 HP sales office.	
HP X122 1G SFP LC BX-U Transceiver (J9143B)	Ports	1 LC 1000BASE-BX10 port full only	(IEEE 802.3ah Type 1000BASE-BX10-U); Duplex:

		rate only	
A small form-factor pluggable (SFP) Gigabit-BX (bi-directional) "upstream"	Physical characteristics	Dimensions	2.19(d) x 0.54(w) x 0.46(h) in. (5.57 x 1.37 x 1.18 cm)
		Weight	0.04 lb. (0.02 kg)
transceiver that provides a		Operating temperature	32ºF to 158ºF (0ºC to 70ºC)
full-duplex Gigabit solution up to 10 km on one strand of single-mode fiber. The J9143B connects to the J9142B "downstream" transceiver, or to any IEEE- standard 1000BASE-BX10- D ("downstream") device.	1	Operating relative humidity	0% to 95%, non-condensing
		Non-operating/ Storage temperature	–40ºF to 185ºF –40ºC to 85ºC)
		Type: Single-mode fiber optic, co	omplying with ITU-T G.652;
		Maximum distance:	
		• 0.5-10,000 m (single-mode fiber)	
	Notes	Transmit wavelength: 131	0 nm. Receive wavelength: 1490 nm.



Accessory Product De	etails	
		For supported platforms and minimum software requirements to support this product, see the document titled "Support for the HP BX Transceivers" on the "HP Mini-GBICs and SFPs" Manuals Web page. The J9143B connects to the J9142B "downstream" transceiver, or to any IEEE- standard 1000BASE-BX10-D ("downstream") device. (A 1000-BX-U transceiver can only connect to a 1000-BX-D product. You cannot connect two 1000-BX-U transceivers together.) Power consumption is 1 watt maximum.
	Services	Refer to the HP website at www.hp.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 HP sales office.
HP 0.5 m Multimode OM3 LC/LC Optical Cable (AJ833A)	Cabling	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: 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: 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 50/125um 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 HP website at www.hp.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 HP sales office.



Accessory Product Details			
HP 1 m Multimode OM3 LC/LC Optical Cable (AJ834A)	Cabling	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: 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 HP website at www.hp.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 HP sales office.	



Accessory Product Details			
HP 2 m Multimode OM3 LC/LC Optical Cable (AJ835A)	Cabling	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: 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 HP website at www.hp.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 HP sales office.	
Accessory Product D	etails		
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HP 5 m Multimode OM3 LC/LC Optical Cable (AJ836A)	Cabling	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. Weight: Air Packed Weight: 1 LB Net Weight: 0.454Kg 	
	Services	Refer to the HP website at www.hp.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 HP sales office.	



Accessory Product Details			
HP 15 m Multimode OM3 LC/LC Optical Cable (AJ837A)	Cabling	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: 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 HP website at: www.hp.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 HP sales office.	



Accessory Product Details			
HP 30 m Multimode OM3 LC/LC Optical Cable (AJ838A)	Cabling	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: 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 HP website at: www.hp.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 HP sales office.	



Accessory Product Details			
HP 50 m Multimode OM3 LC/LC Optical Cable (AJ839A)	Cabling	Cable type : $50/125 \mu$ m (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: 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 HP website at: www.hp.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 HP sales office.	



Accessory Product D	etails	
HP Premier Flex LC/LC Multi-mode OM4 2 fiber	Notes	Cable Specs: Graded-index, "bendable" fiber optic multimode OM3+ 50/125um duplex cable and Ethernet assembly with LC duplex connectors on each end.
1m Cable (QK732A)		 Core Diameter: 50um ±3um, Cladding diameter: 125um ±2um; Coating diameter: 245 ± 10um
		• Bandwidth: 3000 MHz-km @ 850nm (Laser) • Jacket Color: Blue
		 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 HP website at www.hp.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 HP sales office.
HP Premier Flex LC/LC Multi-mode OM4 2 fiber	Notes	Cable Specs: Graded-index, "bendable" fiber optic multimode OM3+ 50/125um duplex cable and Ethernet assembly with LC duplex connectors on each end.
2m Cable (QK733A)		 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 HP website at www.hp.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 HP sales office.



Accessory Product D	etails	
HP Premier Flex LC/LC Multi-mode OM4 2 fiber	Notes	Cable Specs: Graded-index, "bendable" fiber optic multimode OM3+ 50/125um duplex cable and Ethernet assembly with LC duplex connectors on each end.
5m Cable (QK734A)		• Core diameter: 50um ±3um, Cladding diameter: 125um ±2um; Coating diameter: 245 ± 10um
		• Bandwidth: 3000 MHz-km @ 850nm (Laser) • Jacket Color: Blue
		 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 HP website at www.hp.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 HP sales office.
HP Premier Flex LC/LC Multi-mode OM4 2 fiber	Notes	Cable Specs: Graded-index, "bendable" fiber optic multimode OM3+ 50/125um duplex cable and Ethernet assembly with LC duplex connectors on each end.
15m Cable (QK735A)		• 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 HP website at www.hp.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 HP sales office.



Accessory Product D	etails	
HP Premier Flex LC/LC Multi-mode OM4 2 fiber	Notes	Cable Specs: Graded-index, "bendable" fiber optic multimode OM3+ 50/125um duplex cable and Ethernet assembly with LC duplex connectors on each end.
30m Cable (QK736A)		• Core diameter: 50um ±3um, Cladding diameter: 125um ±2um; Coating diameter: 245 ± 10um
		• Bandwidth: 3000 MHz-km @ 850nm (Laser) • Jacket Color: Blue
		 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 HP website at www.hp.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 HP sales office.
HP Premier Flex LC/LC Multi-mode OM4 2 fiber	Notes	Cable Specs: Graded-index, "bendable" fiber optic multimode OM3+ 50/125um duplex cable and Ethernet assembly with LC duplex connectors on each end.
50m Cable (QK737A)		• 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 HP website at www.hp.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 HP sales office.



Accessory Product Details

Notes Services	 post Rack Mounting Kit (J9583A) The rack mounting kit supports the 1U, full width switches in the following switch series and the power supply: V1810 Series, E2510 Series, E2520 Series, E2610 Series, E2810 Series, E2910 Series, E3500 Series, and the E620 Power Supply This universal rack mounting kit is design to fit the following racks: HP 10K 10642, HP 10K 10842, Panduit CN, Panduit CS, Wrightline Vantage S2, APC Netshelter 600mm, and APC Netshelter 800mm. It may well fit many other brands and models too. Refer to the HP website at: www.hp.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 		
	HP sales office.		
HP 600 Redundant and External Power Supply (J8168A)	Ports	6 redundant power supply ports Restrictions: Each port can provide redundant +12 V power to a co switch; only one port can provide power at a given time 2 external power supply ports Restrictions: Provides 50 VDC external PoE to up to two switch de provides max. of 408 W full power to one device, and half power if connected to two devices	
	Physical characteristics	Dimensions	12.83(d) x 17.44(w) x 1.73(h) in. (32.59 x 44.3 x 4.39 cm) (1U height)
		Weight	11.78 lb. (5.34 kg), Fully loaded
	Mounting	1U rack-mountable and wall-mountable enclosure using standard mountir hardware	
	Environment	Operating temperature	32°F to 131°F (0°C to 55°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% @ 149°F (65°C), noncondensing
		Altitude	up to 15,000 ft. (4.6 km)
		Acoustic	Noise emission LwA=59.2 dB at virtual workspace, according to DIN 45635 T.19
	Electrical characteristics	Description	The unit automatically adjusts to any voltage between 100-240 V and either 50 or 60 Hz
		Voltage	100-240 VAC
		Current	9/5 A
		Maximum power rating	800 W
		RPS power	180 W
		PoE power	408 W
		Frequency	50/60 Hz



Accessory Product De	tails		
		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.
	Safety	CSA 22.2 No. 60950; EN	I 60950/IEC 60950; UL 60950
	Emissions	FCC Class A; VCCI Class	A; EN 55022/CISPR 22 Class A
	Immunity	EN	EN 55024, CISPR 24
		ESD	IEC 61000-4-2; 4 kV CD, 8 kV AD
		Radiated	IEC 61000-4-3; 3 V/m
		EFT/Burst	IEC 61000-4-4; 1.0 kV (power line), 0.05 kV (signa line)
		Surge	IEC 61000-4-5; 1 kV/2 kV AC
		Conducted	IEC 61000-4-6; 3 V
		Power frequency magnetic field	IEC 61000-4-8; 1 A/m, 50 or 60 Hz
		Voltage dips and interruptions	IEC 61000-4-11; >95% reduction, 0.5 period; 30% reduction, 25 periods
		Harmonics	EN 61000-3-2, IEC 61000-3-2
		Flicker	EN 61000-3-3, IEC 61000-3-3
	Management	Provides information v	ia port interfaces of attached devices
	Notes	Supported devices	
		Series, Switch 28	PWR Series, Switch 2610 Series, Switch 2610-PWR 300 Series, Switch 2810 Series, Switch 5300xl Series, eries, Switch 6400cl Series, and Secure Router 7000dl
	Services	3-year, 4-hour onsite, 3-year, 4-hour onsite, 4-year, 4-hour onsite, 4-year, 4-hour onsite, 5-year, 4-hour onsite,	Onsite (UW372E)
		the service-level descri	e at: www.hp.com/networking/services for details on iptions and product numbers. For details about services your area, please contact your local HP sales office.

HP 630 Redundant and/or Physical characteristics	Dimensions	15(d) x 8.5(w) x 1.73(h) in. (38.1 x 21.59 x 4.39
External Power Supply		cm) (1U height)
(J9443A)	Weight	7.9 lb. (3.58 kg)



HP 2620 Switch Series

Accessory Product De	etails		
	Environment	Operating temperature	32°F to 131°F (0°C to 55°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 90% @ 149°F (65°C), noncondensing
		Altitude	up to 10,000 ft. (3 km)
		Acoustic	Power: 54.2 dB; ISO 7779, ISO 9296
	Electrical characteristics	Maximum heat dissipation	535 BTU/hr (564.42 kJ/hr), for the actual 630 power supply. PoE-powered device heat dissipation assumed to be outside the 630 power supply.
		Voltage	100-127/200-240 VAC
		Current	8/4 A
		Maximum power rating	740 W
		PoE power	398 W
		RPS power	185 W
		PoE power	398 W
		Frequency	50/60 Hz
		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). 200-240 V power cords shipped with the 630 power supply have a wall plug rated as close to 13 A as specific country standards allow.
	Notes	HP Switch 5400zl Series is The 630 RPS/EPS includes carry either RPS or PoE+ po Minimum software version	two 2-m RPS/EPS cables, which can bes used to
	Services	3-year, 4-hour onsite, 24x 4-year, 4-hour onsite, 13x 4-year, 4-hour onsite, 24x 5-year, 4-hour onsite, 13x	5 coverage for hardware (U9270E) 7 coverage for hardware (U9271E) 5 coverage for hardware (UR854E) 7 coverage for hardware (UR855E) 5 coverage for hardware (UR857E) 7 coverage for hardware (UR858E)



Accessory Product D	etails		
		3 Yr 6 hr Call-to-Repair Onsite (UW371E) 4 Yr 6 hr Call-to-Repair Onsite (UW372E) 5 Yr 6 hr Call-to-Repair Onsite (UW373E)	
		the service-level description	: www.hp.com/networking/services for details on ons and product numbers. For details about services Ir area, please contact your local HP sales office.
HP E620 Redundant/External	Ports	2 redundant power supply ports Restrictions: 195 W available per port	
Power Supply (J8696A)		2 external power supply p Restrictions: 398 W availa	
	Physical characteristics	Dimensions	15.4(d) x 17.4(w) x 1.73(h) in. (39.12 x 44.2 x 4.39 cm) (1U height)
		Weight	15.2 lb. (6.89 kg)
	Mounting	Mounts in an EIA-standarc included); horizontal surfa	1 19 in. telco rack or equipment cabinet (hardware acc mounting only
	Environment	Operating temperature	32°F to 131°F (0°C to 55°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 90% @ 149°F (65°C), noncondensing
		Altitude	up to 10,000 ft. (3 km)
		Acoustic	LwA per ISO 7779: 54.2 dB
	Electrical characteristics	Maximum heat dissipation	400 BTU/hr (422 kJ/hr), for the actual 620 itself. PoE-powered device heat dissipation assumed to be outside the 620.
		Voltage	100-127/200-240 VAC
		Current	16/8 A
		Maximum power rating	1440 W
		RPS power	390 W
		PoE power	796 W
		RPS	12 V
		PoE	-50 V
		Frequency	50/60 Hz
		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.



HP 2620 Switch Series

Accessory Product Details

Above figures are for maximum RPS and PoE power being supplied to two switches simultaneously. 200 - 240 V power cords shipped with the 620 have a wall plug rated as close to 13 A as specific country standards allow.

		A as specific country standards allow.
Safety	CSA 22.2 No. 60950; EN 60950/IEC 60950; UL 60950	
Emissions	FCC Class A; VCCI Class A; EN 55022/CISPR 22 Class A	
Immunity	EN	EN 55024, CISPR 24
	ESD	IEC 61000-4-2
	Radiated	IEC 61000-4-3
	EFT/Burst	IEC 61000-4-4
	Surge	IEC 61000-4-5
	Conducted	IEC 61000-4-6
	Power frequency magnetic field	IEC 61000-4-8
	Voltage dips and interruptions	IEC 61000-4-11
	Harmonics	EN 61000-3-2, IEC 61000-3-2
	Flicker	EN 61000-3-3, IEC 61000-3-3
Management	Unmanaged power supply; provides information via LEDs (LEDs repeated on front and back panel) or through port interfaces of attached devices	
Notes	The 620 supports the HP Switch 2900 Series (RPS) and 3500yl Series (RPS/PoE), as well as 6200yl (RPS) switches. The HP Switch 5400zl Series is not supported. The 620 includes four 2 m RPS/EPS cables. These cables can be used to carry either RPS or PoE power to the switch being powered.	
Services	 3-year, 4-hour onsite, 13x5 coverage for hardware (U9270E) 3-year, 4-hour onsite, 24x7 coverage for hardware (U9271E) 4-year, 4-hour onsite, 13x5 coverage for hardware (UR854E) 4-year, 4-hour onsite, 24x7 coverage for hardware (UR855E) 5-year, 4-hour onsite, 13x5 coverage for hardware (UR857E) 5-year, 4-hour onsite, 24x7 coverage for hardware (UR857E) 5-year, 4-hour onsite, 24x7 coverage for hardware (UR858E) 3 Yr 6 hr Call-to-Repair Onsite (UW371E) 4 Yr 6 hr Call-to-Repair Onsite (UW373E) Refer to the HP website at: www.hp.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 HP sales office. 	



Accessory Product Details

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