HP 2620 Switch Series

Specifications

	HP 2620-24 Switch (J9623A)	HP 2620-24-PPoE+ Switch (J9624A)	HP 2620-24-PoE+ Switch (J9625A)
Ports	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 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	12 RJ-45 autosensing 10/100 ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX); Media Type: Auto-MDIX; Duplex: half or full 12 RJ-45 autosensing 10/100 PoE+ ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3at PoE+); 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	24 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 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
Physical characteristics			
Dimensions	10(d) x 17.44(w) x 1.73(h) in. (25.4 x 44.3 x 4.39 cm) (1U height)	10(d) x 17.44(w) x 1.73(h) in. (25.4 x 44.3 x 4.39 cm) (1U height)	14.5(d) x 17.44(w) x 1.73(h) in. (36.83 x 44.3 x 4.39 cm) (1U height)
Weight	5.7 lb. (2.59 kg), Fully loaded	7.04 lb. (3.19 kg)	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	PowerPC FreeScale 8313 @ 400 MHz, 512 MB flash, 512 MB SDRAM, 4 MB flash ROM; packet buffer size: 1 MB	Power PC 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	Mounts in an EIA-standard 19 in. telco rack or equipment cabinet (hardware included); horizontal surface mounting only	Mounts in an EIA-standard 19 in. telco rack or equipment cabinet (hardware included); horizontal surface mounting only
Performance			
	IPv6 Ready Certified	IPv6 Ready Certified	IPv6 Ready Certified
100 Mb Latency	< 8.3 µs (LIFO 64-byte packets)	< 8.3 µs (LIFO 64-byte packets)	< 8.3 µs (LIFO)
1000 Mb Latency	< 2.9 µs (LIFO 64-byte packets)	< 2.9 µs (LIFO 64-byte packets)	< 2.9 µs (LIFO)
Throughput	up to 9.5 million pps	up to 9.5 million pps	up to 9.5 million pps
Routing/Switching capacity	12.8 Gbps	12.8 Gbps	12.8 Gbps
MAC address table size	16000 entries	16000 entries	16000 entries
Environment			
Operating temperature	32°F to 131°F (0°C to 55°C)	32°F to 131°F (0°C to 55°C)	32°F to 131°F (0°C to 55°C)
Operating relative humidity	15% to 95% @ 104°F (40°C), noncondensing	15% to 95% @ 104°F (40°C), noncondensing	15% to 95% @ 104°F (40°C), noncondensing
Nonoperating/Storage temperature	-40°F to 158°F (-40°C to 70°C)	-40°F to 158°F (-40°C to 70°C)	-40°F to 158°F (-40°C to 70°C)
Nonoperating/Storage relative humidity	15% to 90% @ 149°F (65°C), noncondensing	15% to 90% @ 149°F (65°C), noncondensing	15% to 90% @ 149°F (65°C), noncondensing
Altitude	up to 10,000 ft. (3 km)	up to 10,000 ft. (3 km)	up to 10,000 ft. (3 km)
Acoustic	Power: 0 dB, Pressure: 0 dB No Fan	Power: 37.1 dB, Pressure: 25.9 dB	Power: 34.0 dB, Pressure: 29.7 dB
Electrical characteristics			
	Achieved Miercom Certified Green Award	Achieved Miercom Certified Green Award	Achieved Miercom Certified Green Award
Voltage	100-127/200-240 VAC	100-127/200-240 VAC	100-127/200-240 VAC
Idle power	13.3 W	22.0 W	22.8 W
Maximum power rating	22.1 W	165.8 W	428.0 W
PoE power	0 W	128 W	382 W
Frequency	50/60 Hz	50/60 Hz	50/60 Hz
Notes	Idle power is the actual power consumption of the device with no ports connected. 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 an external power supply (EPS).	Idle power is the actual power consumption of the device with no ports connected. 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 an external power supply (EPS).	Idle power is the actual power consumption of the device with no ports connected. 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 an external power supply (EPS).
Safety	EN 60950/IEC 60950; CAN/CSA 22.2 No. 60950; EN 60825; UL 60950	EN 60950/IEC 60950; CAN/CSA 22.2 No. 60950; EN 60825; UL 60950	EN 60950/IEC 60950; CAN/CSA 22.2 No. 60950; EN 60825; UL 60950
Emissions	FCC Class A; VCCI Class A; EN 55022/CISPR 22 Class A	FCC Class A; VCCI Class A; EN 55022/CISPR 22 Class A	FCC Class A; VCCI Class A; EN 55022/CISPR 22 Class A

HP 2620 Switch Series

Specifications (continued)

	HP 2620-24 Switch (J9623A)	HP 2620-24-PPoE+ Switch (J9624A)	HP 2620-24-PoE+ Switch (J9625A)
Immunity			
EN	EN 55024, CISPR 24	EN 55024, CISPR 24	EN 55024, CISPR 24
ESD	IEC 61000-4-2	IEC 61000-4-2	IEC 61000-4-2
Radiated	IEC 61000-4-3	IEC 61000-4-3	IEC 61000-4-3
EFT/Burst	IEC 61000-4-4	IEC 61000-4-4	IEC 61000-4-4
Surge	IEC 61000-4-5	IEC 61000-4-5	IEC 61000-4-5
Conducted	IEC 61000-4-6	IEC 61000-4-6	IEC 61000-4-6
Power frequency magnetic field	IEC 61000-4-8	IEC 61000-4-8	IEC 61000-4-8
Voltage dips and interruptions	IEC 61000-4-11	IEC 61000-4-11	IEC 61000-4-11
Harmonics	EN 61000-3-2, IEC 61000-3-2	EN 61000-3-2, IEC 61000-3-2	EN 61000-3-2, IEC 61000-3-2
Flicker	EN 61000-3-3, IEC 61000-3-3	EN 61000-3-3, IEC 61000-3-3	EN 61000-3-3, IEC 61000-3-3
Management	command-line interface; Web browser; Telnet	command-line interface; Web browser; Telnet	command-line interface; Web browser; Telnet
Services	3-year, 4-hour onsite, 13x5 coverage for hardware (HS980E)	3-year, 4-hour onsite, 13x5 coverage for hardware (HS980E)	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 (HS982E)	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, 4-hour onsite, 24x7 coverage for hardware, 24x7 SW phone support and SW updates (HS987E)	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)	3-year, 24x7 SW phone support, software updates (HS986E)	3-year, 24x7 SW phone support, software updates (HS986E)
	Installation with minimum configuration, system-based pricing (U4826E)	Installation with minimum configuration, system-based pricing (U4826E)	Installation with minimum configuration, system-based pricing (U4826E)
	Installation with HP-provided configuration, system-based pricing (U4830E)	Installation with HP-provided configuration, system-based pricing (U4830E)	Installation with HP-provided configuration, system-based pricing (U4830E)
	4-year, 4-hour onsite, 13x5 coverage for hardware (HS990E)	4-year, 4-hour onsite, 13x5 coverage for hardware (HS990E)	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 (HS992E)
	4-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone (HS997E)	4-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone (HS997E)	4-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone (HS997E)
	4-year, 24x7 SW phone support, software updates (HS996E)	4-year, 24x7 SW phone support, software updates (HS996E)	4-year, 24x7 SW phone support, software updates (HS996E)
	5-year, 4-hour onsite, 13x5 coverage for hardware (HT001E)	5-year, 4-hour onsite, 13x5 coverage for hardware (HT001E)	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, 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, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone (HT008E)
	5-year, 24x7 SW phone support, software updates (HT007E)	5-year, 24x7 SW phone support, software updates (HT007E)	5-year, 24x7 SW phone support, software updates (HT007E)
	3 Yr 6 hr Call-to-Repair Onsite (HS984E)	3 Yr 6 hr Call-to-Repair Onsite (HS984E)	3 Yr 6 hr Call-to-Repair Onsite (HS984E)
	4 Yr 6 hr Call-to-Repair Onsite (HS994E)	4 Yr 6 hr Call-to-Repair Onsite (HS994E)	4 Yr 6 hr Call-to-Repair Onsite (HS994E)
	5 Yr 6 hr Call-to-Repair Onsite (HT005E)	5 Yr 6 hr Call-to-Repair Onsite (HT005E)	5 Yr 6 hr Call-to-Repair Onsite (HT005E)
	1-year, 4-hour onsite, 13x5 coverage for hardware (HS970E)	1-year, 4-hour onsite, 13x5 coverage for hardware (HS970E)	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 (HS972E)	1-year, 4-hour onsite, 24x7 coverage for hardware (HS972E)
	1-year, 6 hour Call-To-Repair Onsite for hardware (HS974E)	1-year, 6 hour Call-To-Repair Onsite for hardware (HS974E)	1-year, 6 hour Call-To-Repair Onsite for hardware (HS974E)
	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, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone support and software updates (HS977E)	1-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone support and software updates (HS977E)	1-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone support and software updates (HS977E)
	1-year, 24x7 software phone support, software updates + Next Business Day Hardware Exchange (HS968E)	1-year, 24x7 software phone support, software updates + Next Business Day Hardware Exchange (HS968E)	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 exchange (HS969E)	1-year, 24x7 software phone support, software updates + 4 hour hardware exchange (HS969E)	1-year, 24x7 software phone support, software updates + 4 hour hardware exchange (HS969E)
	3-year, 24x7 software phone support, software updates + Next Business Day Hardware Exchange (HS978E)	3-year, 24x7 software phone support, software updates + Next Business Day Hardware Exchange (HS978E)	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)	3-year, 24x7 software phone support, software updates + 4 hour Hardware Exchange (HS979E)	3-year, 24x7 software phone support, software updates + 4 hour Hardware Exchange (HS979E)

Specifications (continued)

	HP 2620-24 Switch (J9623A)	HP 2620-24-PPoE+ Switch (J9624A)	HP 2620-24-PoE+ Switch (J9625A)
	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 support, software updates + Next Business Day Hardware Exchange (HS988E)
	4-year, 24x7 software phone support, software updates + 4 hour Hardware Exchange (HS989E)	4-year, 24x7 software phone support, software updates + 4 hour Hardware Exchange (HS989E)	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 + Next Business Day Hardware Exchange (HS998E)	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)	5-year, 24x7 software phone support, software updates + 4 hour Hardware Exchange (HS999E)	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.	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.	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 (applies to all products in series)	**Device management** RFC 1591 DNS (client) 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 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 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 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 **Security** IEEE 802.1X Port Based Network Access Control RFC 1492 TACACS+ RFC 2138 RADIUS Authentication RFC 2866 RADIUS Accounting Secure Sockets Layer (SSL)