# HP 2620 Switch Series



## Product overview

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

All 2620 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, as well as Limited Lifetime Warranty 2.0 and included software updates, the 2620 Switch Series is a cost-effective solution for those building converged enterprise-edge networks.

**A summary of the highlights of the 2620 Switch Series:**

• Cost-effective access layer switches

• Lite L3 IPv4/IPv6 static and RIP routing

• 30 W PoE+ support on PoE models

• Gigabit fiber uplinks

• Enterprise-class features

## Features and benefits

### Quality of service (QoS)

• L4 prioritization

  Enables prioritization based on TCP/UDP port numbers

• Traffic prioritization (IEEE 802.1p)

  Allows real-time traffic classification into eight priority levels that are mapped to eight queues

• Class of service (CoS)

  Sets the IEEE 802.1p priority tag based on the IP address, IP type of service (ToS), L3 protocol, TCP/UDP port number, source port, and DiffServ

• Rate limiting

  Establishes 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; and supports connectivity for both protocols

  – MLD snooping

    Forwards IPv6 multicast traffic to the appropriate interface; and helps prevent IPv6 multicast
    traffic from flooding the network

  – Security

    RA Guard, DHCPv6 Protection, Dynamic IPv6 Lockdown

• 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 PoE+

  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 (refer to the list of supported devices
  in the product FAQs, which can be accessed at 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**

• External redundant power supply

  Provides high reliability

• IEEE 802.3ad link-aggregation-control protocol (LACP) and HP port trunking

  Support up to 24 trunks, each with up to 8 links (ports) per trunk

• Multiple spanning tree protocol (STP) and IEEE 802.1s

  Offers high link availability in multiple VLAN environments by allowing multiple spanning
  trees; and provides legacy support for IEEE 802.1d and IEEE 802.1w

• NEW SmartLink

  Provides easy-to-configure link redundancy of active and standby links

**Management**

• 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

  Are easily stored with a 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 the SNMP and CLI with
  three terminal encrypted receivers

• Remote monitoring (RMON)

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

• Find, fix, and inform

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

• NEW Comware CLI

– Comware-compatible CLI

Bridges the experience of HP Comware CLI users who use 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

Elicit CLI help to formulate the correct ProVision software CLI command

• NEW TR-069 support

Enables zero-touch configuration for switches

**L2 switching**

• VLANs

Provide support for 512 VLANs and 4,094 VLAN IDs

• Jumbo packet support

Improves the performance of large data transfers; and supports frame sizes 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, improving link bandwidth usage in network environments with multiple VLANs

**L3 routing**

• Static IP routing

Provides manually configured routing; and includes the ECMP capability

• Routing information protocol (RIP)

Provides RIPv1 and RIPv2 routing

**Security**

• Access control lists (ACLs)

Provide IP L3 filtering, based on the 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, enabling 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

  Helps prevent certain configured MAC addresses from connecting to the network

- Secure FTP

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

- Custom banner

  Displays the 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, mitigating 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, mitigating denial-of-service attacks

- Dynamic ARP protection

  Blocks ARP broadcasts from unauthorized hosts, helping prevent eavesdropping or theft of network data

- Multiple user authentication methods

  – 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

  – 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

  – 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

    Enables authentication of multiple IEEE 802.1X users per port; and helps prevent a user from "piggybacking" on another user's IEEE 802.1X authentication

  – Concurrent IEEE 802.1X, Web, and MAC authentication schemes per port

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

- Port mirroring for network threats

  Provides sampled port traffic, using sFlow technology, to the HP Network Immunity Manager application for network-behavior-anomaly-detection analysis—to detect and mitigate threats at the ports where the threats originate

- Per-port broadcast throttling

  Selectively configures broadcast control on heavy traffic port uplinks

**Convergence**

- IP multicast snooping (data-driven IGMP)

  Mitigates flooding of IP multicast traffic automatically

- Media endpoint discovery (MED) enabled by the link-layer discovery protocol (LLDP)

  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 LLDP

Facilitates easy mapping, using network management applications with the 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 use

• LLDP-CDP compatibility

Receives and recognizes CDP packets from Cisco's IP phones for seamless interoperation

• NEW Local MAC Authentication

Assigns attributes such as VLAN and QoS using locally configured profile that can be a list of MAC prefixes Unified Wired and Wireless

• NEW HTTP redirect function

Supports HP Intelligent Management Center (IMC) bring your own device (BYOD) solution

**Monitor and diagnostics**

• Port mirroring

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

• Software updates

Are offered as free downloads from the Web

**Flexibility**

• Quiet operation

– Fan-less 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

– Rack mountable

Allows the switch to be mounted on a standard 19-inch rack, with the hardware included

– Surface mountable

Allows the switch to be mounted above or below a surface (such as a desk or table), using the hardware included

**Warranty and support**

• Limited Lifetime warranty 2.0

Advance hardware replacement with next-business-day delivery (available in most countries). See hp.com/networking/warrantysummary for duration details

• Electronic and telephone support (for Limited Lifetime Warranty 2.0)

Limited 24x7 telephone support is provided by HP for the first three years; limited electronic and telephone support during business hours is provided by HP for the complete warranty period; to reach our support centers, visit hp.com/networking/contact-support; for details on the duration of support provided with your product purchase, visit hp.com/networking/warrantysummary

• Software releases

To find software for your product, visit hp.com/networking/support; for details on the software releases available with your product purchase, visit hp.com/networking/warrantysummary

# 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 | 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 | 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 | 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 | 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 | 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 |
| | | 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) | 17.44(w) x 10(d) x 1.73(h) in (44.3 x 25.4 x 4.39 cm) (1U height) | 17.44(w) x 14.5(d) x 1.73(h) in (44.3 x 36.83 x 4.39 cm) (1U height) |
| Weight | 5.71 lb (2.59 kg), Fully loaded | 7.03 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 Gb/s | 12.8 Gb/s | 12.8 Gb/s |
| 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%, noncondensing | 15% to 95%, noncondensing | 15% to 95%, 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%, noncondensing | 15% to 90%, noncondensing | 15% to 90%, 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 |

# HP 2620 Switch Series

## Specifications (Continued)

| | HP 2620-24 Switch (J9623A) | HP 2620-24-PPoE+ Switch (J9624A) | HP 2620-24-PoE+ Switch (J9625A) |
|---|---|---|---|
| **Electrical characteristics** | | | |
| | Achieved Miercom Certified Green Award | Achieved Miercom Certified Green Award | Achieved Miercom Certified Green Award |
| Frequency | 50/60 Hz | 50/60 Hz | 50/60 Hz |
| Maximum heat dissipation | 95 BTU/hr (100.23 kJ/hr) | 177 BTU/hr (186.74 kJ/hr), (switch only: 177 BTU/hr; combined switch + max. PoE devices: 679 BTU/hr) | 270 BTU/hr (284.85 kJ/hr), (switch only: 270 BTU/hr; combined switch + max. PoE devices: 1751 BTU/hr) |
| Voltage | 100-127/200-240 VAC | 100-127/200-240 VAC | 100-127/200-240 VAC |
| Current | 0.43 A / 0.27 A | 1.8 A / 0.97 A | 4.9 A / 2.5 A |
| Maximum power rating | 28 W | 38.5 W | 39.5 W |
| Idle power | 13.3 W | 22.0 W | 22.8 W |
| PoE power | 0 W | 128 W | 382 W |
| 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 |
| **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 |
| **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 |
| **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 | command-line interface; Web browser | command-line interface; Web browser |
| **Services** | Refer to the HP website at 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 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 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 Switch Series

## Specifications (Continued)

|  | **HP 2620-48 Switch (J9626A)** | **HP 2620-48-PoE+ Switch (J9627A)** |
|---|---|---|
| **Ports** | 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 | 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 port | 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 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 | 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) | 17.44(w) x 14.5(d) x 1.73(h) in (44.3 x 36.83 x 4.39 cm) (1U height) |
| Weight | 6.48 lb (2.94 kg), Fully loaded | 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 | PowerPC 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 | 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 |
| 100 Mb Latency | < 8.3 µs (LIFO) | < 8.3 µs (LIFO) |
| 1000 Mb Latency | < 2.9 µs (LIFO) | < 2.9 µs (LIFO) |
| Throughput | up to 13.0 million pps | up to 13.0 million pps |
| Routing/Switching capacity | 17.6 Gb/s | 17.6 Gb/s |
| MAC address table size | 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) |
| Operating relative humidity | 15% to 95%, noncondensing | 15% to 95%, noncondensing |
| Nonoperating/Storage temperature | -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%, noncondensing | 15% to 90%, noncondensing |
| Altitude | up to 10,000 ft (3 km) | up to 10,000 ft (3 km) |
| Acoustic | Power: 36.5 dB, Pressure: 24.5 dB | Power: 34.0 dB, Pressure: 25.3 dB |

# HP 2620 Switch Series

## Specifications (Continued)

| | HP 2620-48 Switch (J9626A) | HP 2620-48-PoE+ Switch (J9627A) |
|---|---|---|
| **Electrical characteristics** | | |
| | Achieved Miercom Certified Green Award | Achieved Miercom Certified Green Award |
| Frequency | 50/60 Hz | 50/60 Hz |
| Maximum heat dissipation | 148 BTU/hr (156.14 kJ/hr) | 325 BTU/hr (342.88 kJ/hr), (switch only: 325 BTU/hr; combined switch + max. PoE devices: 1833 BTU/hr) |
| Voltage | 100-127/200-240 VAC | 100-127/200-240 VAC |
| Current | 0.68 A / 0.39 A | 5.6 A / 2.8 A |
| Maximum power rating | 43.5 W | 54.9 W |
| Idle power | 19.4 W | 29.6 W |
| PoE power | | 382 W |
| Notes | Idle power is the actual power consumption of the device with no ports connected. | 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. | 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 |
| **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 |
| **Immunity** | | |
| EN | EN 55024, CISPR 24 | EN 55024, CISPR 24 |
| ESD | IEC 61000-4-2 | IEC 61000-4-2 |
| Radiated | IEC 61000-4-3 | IEC 61000-4-3 |
| EFT/Burst | IEC 61000-4-4 | IEC 61000-4-4 |
| Surge | IEC 61000-4-5 | IEC 61000-4-5 |
| Conducted | IEC 61000-4-6 | IEC 61000-4-6 |
| Power frequency magnetic field | IEC 61000-4-8 | IEC 61000-4-8 |
| Voltage dips and interruptions | 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 |
| Flicker | EN 61000-3-3, IEC 61000-3-3 | EN 61000-3-3, IEC 61000-3-3 |
| **Management** | command-line interface; Web browser | command-line interface; Web browser |
| **Services** | Refer to the HP website at 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 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 Switch Series

## Specifications (Continued)

| HP 2620-48 Switch (J9626A) | | HP 2620-48-PoE+ Switch (J9627A) |
|---|---|---|

**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 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 1918 Address Allocation for Private Internet
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 2464 Transmission of IPv6 over Ethernet Networks
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 3484 Default Address Selection for IPv6
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 4291 IP Version 6 Addressing Architecture
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 1155 Structure & ID of Mgmt Info for TCP/IP Internets
RFC 1213 MIB II
RFC 1493 Bridge MIB
RFC 1724 RIPv2 MIB
RFC 2021 RMONv2 MIB
RFC 2096 IP Forwarding Table MIB
RFC 2578 Structure of Management Information Version 2 (SMIv2)
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
RFC 4836 Managed Objects for 802.3 Medium Attachment Units (MAU)

### Network management
IEEE 802.1AB LLDP
RFC 2819 Four groups of RMON: 1 (statistics), 2 (history), 3 (alarm), and 9 (events)
RFC 3176 sFlow
RFC 5424 Syslog Protocol
ANSI/TIA-1057 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
SSL

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| | 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) |
| | HP Premier Flex LC/LC Multi-mode OM4 2 fiber 1m Cable (QK732A) |
| | HP Premier Flex LC/LC Multi-mode OM4 2 fiber 2m Cable (QK733A) |
| | HP Premier Flex LC/LC Multi-mode OM4 2 fiber 5m Cable (QK734A) |
| | HP Premier Flex LC/LC Multi-mode OM4 2 fiber 15m Cable (QK735A) |
| | HP Premier Flex LC/LC Multi-mode OM4 2 fiber 30m Cable (QK736A) |
| | HP Premier Flex LC/LC Multi-mode OM4 2 fiber 50m Cable (QK737A) |
| **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+ Switch (J9624A)** | HP 600 Redundant and External Power Supply (J8168A) |
| **HP 2620-24-PoE+ Switch (J9625A)** | HP 620 Redundant/External Power Supply (J8696A) |
| | HP 630 Redundant and/or External Power Supply (J9443A) |
| **HP 2620–48 Switch (J9626A)** | HP 600 Redundant and External Power Supply (J8168A) |
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