Overview

## Models

| | |
|---|---|
| HP 1405-5G V2 Switch | J9792A |
| HP 1405-8G V2 Switch | J9794A |
| HP 1405-16G Desktop Switch | JD844A |
| HP 1405-5 V2 Switch | J9791A |
| HP 1405-8 V2 Switch | J9793A |
| HP 1405-16 Desktop Switch | JD858A |

## Key features

- Entry-level switching for small offices
- Plug and play; no configuration required
- Energy saving; EEE and port powerdown (v2 models)
- Quality of Service (IEEE 802.1p and DSCP)
- 3-year warranty

## Product overview

HP 1405 Small Office Switch Series consists of plug-and-play unmanaged 5-, 8-, and 16-port Layer 2 switches designed for small offices, in both Gigabit and Fast Ethernet configurations. The switches are preconfigured for fast, easy installation, with connections using low-cost Ethernet copper cabling. They support administration-friendly features such as auto-negotiation and automatic cable type detection (MDI/MDIX). They are Class B certified and approved for both business and home office locations. The 5- and 8-port models have energy-saving features such as Energy Efficient Ethernet (EEE) and idle-port powerdown. All models are fanless for quiet and "green" operation, and are designed for high reliability, long life, low power consumption, and low total cost of ownership. These switches come with a 3-year warranty, covering unit and adapter, and 3-year access to HP phone support.

## Features and benefits

**Quality of Service (QoS)**

- **Traffic prioritization (IEEE 802.1p)**
  allows real-time traffic classification mapped to multiple hardware queues (Gigabit v2 models support four hardware queues per port; other models support two hardware queues per port)
- **Class of Service (CoS)**
  prioritizes traffic by honoring Differentiated Services Code Point(DSCP)

**Connectivity**

- **Auto-MDIX**
  automatically adjusts for straight-through or crossover cables on all 10/100 and 10/100/1000 ports
- **Jumbo packet support (Gigabit Ethernet models only)**
  supports up to 9216-byte frame size to improve the performance of large data transfers

**Performance**

- **Half-/Full-duplex auto-negotiating capability on every port**
  doubles the throughput of every port

**Ease of use**

- **Flow control**
  helps ensure reliable communications during full-duplex operation
- **Comprehensive LED display with per-port indicators**
  provides an at-a-glance view of status, activity, speed, and full-duplex operation
- **Unmanaged**
  provides plug-and-play simplicity
- **Compatible**
  supports Windows® and Mac OS® platforms

**Flexibility**

- **Fanless design**
  enables quiet operation for deployment in open spaces

**Additional information**

- **Green initiative support**
  provides support for RoHS and WEEE regulations
- **Energy savings**
  5- and 8-port models utilize Energy Efficient Ethernet (EEE) standard (IEEE 802.3az) and idle-port powerdown for energy savings

**Warranty and support**

Overview

- **3-year warranty**
  with advance replacement and next-business-day delivery (available in most countries)
- **Electronic and telephone support**
  limited electronic and telephone support is available from HP; 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

Technical Specifications

**HP 1405-5G V2 Switch** (J9792A)

| | | |
|---|---|---|
| **Ports** | 5 RJ-45 autosensing 10/100/1000 ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T); Media Type: Auto-MDIX; Duplex: 10BASE-T/100BASE-TX: half or full; 1000BASE-T: full only | |
| **Physical characteristics** | **Dimensions** | 4.5(w) x 3.6(d) x 1.4(h) in (11.43 x 9.14 x 3.56 cm) |
| | **Weight** | 0.4 lb (0.18 kg) |
| **Memory and processor** | packet buffer size: 1 MB | |
| **Mounting** | Desktop (rear port) | |
| **Performance** | **100 Mb Latency** | < 4.1µs |
| | **1000 Mb Latency** | < 2.6µs |
| | **Throughput** | up to 7.4 million pps |
| | **Routing/Switching capacity** | 10 Gbps |
| | **MAC address table size** | 2048 entries |
| **Environment** | **Operating temperature** | 32°F to 104°F (0°C to 40°C) |
| | **Operating relative humidity** | 15% to 95%, noncondensing |
| | **Nonoperating/Storage temperature** | -40°F to 158°F (-40°C to 70°C) |
| | **Nonoperating/Storage relative humidity** | 15% to 95%, noncondensing |
| | **Acoustic** | Fanless |
| **Electrical characteristics** | **Voltage** | 100-240 VAC |
| | **Frequency** | 50/60 Hz |
| | **Maximum power rating** | 2.0 W |
| | **Notes** | Maximum power rating and maximum heat dissipation are the worst-case theoretical maximum numbers provided for planning the infrastructure with fully loaded PoE (if equipped), 100% traffic, all ports plugged in, and all modules populated. |
| **Safety** | UL 60950; IEC 60950-1; EN 60950-1; CAN/CSA-C22.2 No. 60950-1-03 | |
| **Emissions** | EN 55022 Class B<br>ICES-003 Class B<br>FCC Part 15, Class B<br>AS/NZS CISPR 22 Class B | |
| **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 1405-8G V2 Switch** (J9794A)

| | | |
|---|---|---|
| **Ports** | 8 RJ-45 autosensing 10/100/1000 ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T); Media Type: Auto-MDIX; Duplex: 10BASE-T/100BASE-TX: half or full; 1000BASE-T: full only | |
| **Physical characteristics** | **Dimensions** | 6.1(w) x 3.6(d) x 1.4(h) in (15.49 x 9.14 x 3.56 cm) |
| | **Weight** | 0.5 lb (0.23 kg) |
| **Memory and processor** | packet buffer size: 2 MB | |
| **Mounting** | Desktop (rear port) | |
| **Performance** | **100 Mb Latency** | < 3.9µs |
| | **1000 Mb Latency** | < 2.6µs |
| | **Throughput** | up to 11.8 million pps |
| | **Routing/Switching capacity** | 10 Gbps |
| | **MAC address table size** | 2048 entries |
| **Environment** | **Operating temperature** | 32°F to 104°F (0°C to 40°C) |
| | **Operating relative humidity** | 15% to 95%, noncondensing |
| | **Nonoperating/Storage temperature** | -40°F to 158°F (-40°C to 70°C) |
| | **Nonoperating/Storage relative humidity** | 15% to 95%, noncondensing |
| | **Acoustic** | Fanless |
| **Electrical characteristics** | **Voltage** | 100-240 VAC |
| | **Frequency** | 50/60 Hz |

## Technical Specifications

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|---|---|---|
| **Maximum power rating** | 4.0 W | |
| **Notes** | | Maximum power rating and maximum heat dissipation are the worst-case theoretical maximum numbers provided for planning the infrastructure with fully loaded PoE (if equipped), 100% traffic, all ports plugged in, and all modules populated. |
| **Safety** | UL 60950; IEC 60950-1; EN 60950-1; CAN/CSA-C22.2 No. 60950-1-03 | |
| **Emissions** | EN 55022 Class B<br>ICES-003 Class B<br>FCC Part 15, Class B<br>AS/NZS CISPR 22 Class B | |
| **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. | |

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**HP 1405-16G Desktop Switch** (JD844A)

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|---|---|---|
| **Ports** | 16 RJ-45 autosensing 10/100/1000 ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T); Media Type: Auto-MDIX; Duplex: 10BASE-T/100BASE-TX: half or full; 1000BASE-T: full only | |
| **Physical characteristics** | **Dimensions** | 8.2(w) x 6.3(d) x 1.6(h) in (20.83 x 16 x 4.06 cm) |
| | **Weight** | 1.9 lb (0.86 kg) |
| **Memory and processor** | packet buffer size: 2 MB | |
| **Mounting** | Desktop (rear port) | |
| **Performance** | **100 Mb Latency** | < 5 µs |
| | **1000 Mb Latency** | < 5 µs |
| | **Throughput** | up to 23.7 million pps |
| | **Routing/Switching capacity** | 32 Gbps |
| | **MAC address table size** | 8192 entries |
| **Environment** | **Operating temperature** | 32°F to 104°F (0°C to 40°C) |
| | **Operating relative humidity** | 10% to 90%, noncondensing |
| | **Nonoperating/Storage temperature** | -40°F to 158°F (-40°C to 70°C) |
| | **Nonoperating/Storage relative humidity** | 10% to 95%, noncondensing |
| | **Acoustic** | Fanless |
| **Electrical characteristics** | **Voltage** | 100-240 VAC |
| | **Frequency** | 50/60 Hz |
| | **Maximum power rating** | 13.0 W |
| | **Notes** | Maximum power rating and maximum heat dissipation are the worst-case theoretical maximum numbers provided for planning the infrastructure with fully loaded PoE (if equipped), 100% traffic, all ports plugged in, and all modules populated. |
| **Safety** | UL 60950; IEC 60950-1; EN 60950-1; CAN/CSA-C22.2 No. 60950-1-03 | |
| **Emissions** | EN 55022 Class B<br>ICES-003 Class B<br>FCC Part 15, Class B<br>AS/NZS CISPR 22 Class B | |
| **Notes** | The HP 1405-16G Desktop Switch (JD844A) was formerly sold as the 3Com OfficeConnect Gigabit Switch 16 (3C1671600A). | |
| **Services** | 3-year, 4-hour onsite, 13x5 coverage for hardware (UV780E)<br>3-year, 4-hour onsite, 24x7 coverage for hardware (UW476E)<br>3-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 SW phone support and SW updates (UW479E)<br>3-year, 24x7 SW phone support, software updates (UV783E)<br>1-year, post-warranty, 4-hour onsite, 13x5 coverage for hardware (HR678E)<br>1-year, post-warranty, 4-hour onsite, 24x7 coverage for hardware (HR679E)<br>1-year, post-warranty, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone support (HR680E)<br>Installation with minimum configuration, system-based pricing (UW451E)<br>Installation with minimum configuration, system-based pricing (UY901E)<br>Installation with HP-provided configuration, system-based pricing (UY902E)<br>4-year, 4-hour onsite, 13x5 coverage for hardware (UV781E)<br>4-year, 4-hour onsite, 24x7 coverage for hardware (UW477E)<br>4-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone (UW480E)<br>4-year, 24x7 SW phone support, software updates (UV784E) | |

## Technical Specifications

5-year, 4-hour onsite, 13x5 coverage for hardware (UV782E)
5-year, 4-hour onsite, 24x7 coverage for hardware (UW478E)
5-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone (UW481E)
5-year, 24x7 SW phone support, software updates (UV785E)
3 Yr 6 hr Call-to-Repair Onsite (UW482E)
4 Yr 6 hr Call-to-Repair Onsite (UW483E)
5 Yr 6 hr Call-to-Repair Onsite (UW484E)
1-year, 6 hour Call-To-Repair Onsite for hardware (HR681E)

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.

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**HP 1405-5 V2 Switch** (J9791A)

| | | |
|---|---|---|
| **Ports** | 5 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 | |
| **Physical characteristics** | **Dimensions** | 4.5(w) x 3.6(d) x 1.4(h) in (11.43 x 9.14 x 3.56 cm) |
| | **Weight** | 0.4 lb (0.18 kg) |
| **Memory and processor** | packet buffer size: 384 KB | |
| **Mounting** | Desktop (rear port) | |
| **Performance** | **100 Mb Latency** | < 3.2µs |
| | **Throughput** | up to 0.7 million pps |
| | **Routing/Switching capacity** | 1 Gbps |
| | **MAC address table size** | 2048 entries |
| **Environment** | **Operating temperature** | 32°F to 104°F (0°C to 40°C) |
| | **Operating relative humidity** | 15% to 95%, noncondensing |
| | **Nonoperating/Storage temperature** | -40°F to 158°F (-40°C to 70°C) |
| | **Nonoperating/Storage relative humidity** | 15% to 95%, noncondensing |
| | **Acoustic** | Fanless |
| **Electrical characteristics** | **Voltage** | 100-240 VAC |
| | **Frequency** | 50/60 Hz |
| | **Maximum power rating** | 1.8 W |
| | **Notes** | Maximum power rating and maximum heat dissipation are the worst-case theoretical maximum numbers provided for planning the infrastructure with fully loaded PoE (if equipped), 100% traffic, all ports plugged in, and all modules populated. |
| **Safety** | UL 60950; IEC 60950-1; EN 60950-1; CAN/CSA-C22.2 No. 60950-1-03 | |
| **Emissions** | EN 55022 Class B
ICES-003 Class B
FCC Part 15, Class B
AS/NZS CISPR 22 Class B | |
| **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. | |

Technical Specifications

**HP 1405-8 V2 Switch** (J9793A)

| | | |
|---|---|---|
| Ports | 8 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 | |
| Physical characteristics | Dimensions | 6.1(w) x 3.6(d) x 1.4(h) in (15.49 x 9.14 x 3.56 cm) |
| | Weight | 0.5 lb (0.23 kg) |
| Memory and processor | packet buffer size: 768 KB | |
| Mounting | Desktop (rear port) | |
| Performance | 100 Mb Latency | < 2.9µs |
| | Throughput | up to 1.2 million pps |
| | Routing/Switching capacity | 1.6 Gbps |
| | MAC address table size | 1024 entries |
| Environment | Operating temperature | 32°F to 104°F (0°C to 40°C) |
| | Operating relative humidity | 15% to 95%, noncondensing |
| | Nonoperating/Storage temperature | -40°F to 158°F (-40°C to 70°C) |
| | Nonoperating/Storage relative humidity | 15% to 95%, noncondensing |
| | Acoustic | Fanless |
| Electrical characteristics | Voltage | 100-240 VAC |
| | Frequency | 50/60 Hz |
| | Maximum power rating | 1.9 W |
| | Notes | Maximum power rating and maximum heat dissipation are the worst-case theoretical maximum numbers provided for planning the infrastructure with fully loaded PoE (if equipped), 100% traffic, all ports plugged in, and all modules populated. |
| Safety | UL 60950; IEC 60950-1; EN 60950-1; CAN/CSA-C22.2 No. 60950-1-03 | |
| Emissions | EN 55022 Class B<br>ICES-003 Class B<br>FCC Part 15, Class B<br>AS/NZS CISPR 22 Class B | |
| 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 1405-16 Desktop Switch** (JD858A)

| | | |
|---|---|---|
| Ports | 16 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 | |
| Physical characteristics | Dimensions | 8.2(w) x 6.3(d) x 1.6(h) in (20.83 x 16 x 4.06 cm) |
| | Weight | 1.4 lb (0.64 kg) |
| Memory and processor | packet buffer size: 1.6 MB | |
| Mounting | Desktop (rear port) | |
| Performance | 100 Mb Latency | < 5 µs |
| | Throughput | up to 2.4 million pps |
| | Routing/Switching capacity | 3.2 Gbps |
| | MAC address table size | 4096 entries |
| Environment | Operating temperature | 32°F to 104°F (0°C to 40°C) |
| | Operating relative humidity | 10% to 90%, noncondensing |
| | Nonoperating/Storage temperature | -40°F to 158°F (-40°C to 70°C) |
| | Nonoperating/Storage relative humidity | 10% to 95%, noncondensing |
| Electrical characteristics | Voltage | 100-240 VAC |
| | Frequency | 50/60 Hz |
| | Maximum power rating | 6.0 W |
| | Notes | Maximum power rating and maximum heat dissipation are the worst-case theoretical maximum numbers provided for planning the infrastructure with fully loaded PoE (if equipped), 100% traffic, all ports plugged in, and all modules populated. |
| Safety | UL 60950; IEC 60950-1; EN 60950-1; CAN/CSA-C22.2 No. 60950-1-03 | |

## Technical Specifications

| | |
|---|---|
| **Emissions** | EN 55022 Class B |
| | ICES-003 Class B |
| | FCC Part 15, Class B |
| | AS/NZS CISPR 22 Class B |
| **Notes** | The HP 1405-16 Desktop Switch (JD858A) was formerly sold as the 3Com OfficeConnect Fast Ethernet Switch 16 (3C16792C). |
| **Services** | 3-year, 4-hour onsite, 13x5 coverage for hardware (UV780E) |
| | 3-year, 4-hour onsite, 24x7 coverage for hardware (UW476E) |
| | 3-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 SW phone support and SW updates (UW479E) |
| | 3-year, 24x7 SW phone support, software updates (UV783E) |
| | 1-year, post-warranty, 4-hour onsite, 13x5 coverage for hardware (HR678E) |
| | 1-year, post-warranty, 4-hour onsite, 24x7 coverage for hardware (HR679E) |
| | 1-year, post-warranty, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone support (HR680E) |
| | Installation with minimum configuration, system-based pricing (UW451E) |
| | Installation with minimum configuration, system-based pricing (UY901E) |
| | Installation with HP-provided configuration, system-based pricing (UY902E) |
| | 4-year, 4-hour onsite, 13x5 coverage for hardware (UV781E) |
| | 4-year, 4-hour onsite, 24x7 coverage for hardware (UW477E) |
| | 4-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone (UW480E) |
| | 4-year, 24x7 SW phone support, software updates (UV784E) |
| | 5-year, 4-hour onsite, 13x5 coverage for hardware (UV782E) |
| | 5-year, 4-hour onsite, 24x7 coverage for hardware (UW478E) |
| | 5-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone (UW481E) |
| | 5-year, 24x7 SW phone support, software updates (UV785E) |
| | 3 Yr 6 hr Call-to-Repair Onsite (UW482E) |
| | 4 Yr 6 hr Call-to-Repair Onsite (UW483E) |
| | 5 Yr 6 hr Call-to-Repair Onsite (UW484E) |
| | 1-year, 6 hour Call-To-Repair Onsite for hardware (HR681E) |
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| | 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)** | **General protocols** |
| | IEEE 802.1p Priority |
| | IEEE 802.3az Energy Efficient Ethernet |
| | IEEE 802.3x Flow Control |

To learn more, visit: www.hp.com/networking