Hewlett Packard Enterprise

Data sheet

# HPE 1405 Small Office Switch Series

## Key features

- Entry-level switching for small offices
- Plug and play; no configuration required
- Energy efficient, with EEE and idle-port power down (v2 models)
- Quality of Service (IEEE 802.1p and DSCP)
- 3-year warranty

## Product overview

The HPE 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 Ethernet and Fast Ethernet configurations. The 1405 Small Office 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), and are FCC 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 power down. 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. HPE 1405 Small Office switches come with a 3-year warranty, which covers the unit and adapter.

## Features and benefits

**Quality of Service (QoS)**

- **Traffic prioritization (IEEE 802.1p)**

  allows real-time traffic classification mapped to multiple hardware queues (Gigabit Ethernet 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 the Energy Efficient Ethernet (EEE) standard (IEEE 802.3az) and idle-port power down for energy savings

**Warranty and support**

- **3-year warranty**

  See hpe.com/networking/warrantysummary for warranty and support information included with your product purchase.

# HPE 1405 Small Office Switch Series

| SPECIFICATIONS | HPE 1405-5G V2 Switch (J9792A) | HPE 1405-8G V2 Switch (J9794A) | HPE 1405-16G Desktop Switch (JD844A) |
|---|---|---|---|
| **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 | 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 | 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 | 4.5(w) x 3.6(d) x 1.4(h) in (11.43 x 9.14 x 3.56 cm) | 6.1(w) x 3.6(d) x 1.4(h) in (15.49 x 9.14 x 3.56 cm) | 8.2(w) x 6.3(d) x 1.6(h) in (20.83 x 16 x 4.06 cm) |
| Weight | 0.4 lb (0.18 kg) | 0.5 lb (0.23 kg) | 1.9 lb (0.86 kg) |
| **Memory and processor** | packet buffer size: 1 MB | packet buffer size: 2 MB | packet buffer size: 2 MB |
| **Mounting** | Desktop (rear port) | Desktop (rear port) | Desktop (rear port) |
| **Performance** | | | |
| 100 Mb Latency | < 4.1 µs | < 3.9 µs | < 5 µs |
| 1000 Mb Latency | < 2.6 µs | < 2.6 µs | < 5 µs |
| Throughput | up to 7.4 million pps | up to 11.8 million pps | up to 23.7 million pps |
| Routing/Switching capacity | 10 Gbps | 16 Gbps | 32 Gbps |
| MAC address table size | 2048 entries | 8192 entries | 8192 entries |
| **Environment** | | | |
| Operating temperature | 32°F to 104°F (0°C to 40°C) | 32°F to 104°F (0°C to 40°C) | 32°F to 104°F (0°C to 40°C) |
| Operating relative humidity | 15% to 95%, noncondensing | 15% to 95%, noncondensing | 10% to 90%, 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 95%, noncondensing | 15% to 95%, noncondensing | 10% to 95%, noncondensing |
| Acoustic | Fanless | Fanless | Fanless |
| **Electrical characteristics** | | | |
| Frequency | 50/60 Hz | 50/60 Hz | 50/60 Hz |
| Voltage | 100 - 240 VAC | 100 - 240 VAC | 100 - 240 VAC |
| Maximum power rating | 2.0 W | 4.0 W | 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. | Maximum power rating and maximum heat dissipation are the worst-case theoretical maximum numbers provided for planning the infrastructure with fully loaded PoE (if equipped), 100% traffic, all ports plugged in, and all modules populated. | Maximum power rating and maximum heat dissipation are the worst-case theoretical maximum numbers provided for planning the infrastructure with fully loaded PoE (if equipped), 100% traffic, all ports plugged in, and all modules populated. |
| **Safety** | UL 60950; IEC 60950-1; EN 60950-1; CAN/CSA-C22.2 No. 60950-1-03 | UL 60950; IEC 60950-1; EN 60950-1; CAN/CSA-C22.2 No. 60950-1-03 | 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 | EN 55022 Class B; ICES-003 Class B; FCC Part 15, Class B; AS/NZS CISPR 22 Class B | EN 55022 Class B; ICES-003 Class B; FCC Part 15, Class B; AS/NZS CISPR 22 Class B |
| **Notes** | | | The HPE 1405-16G Desktop Switch (JD844A) was formerly sold as the 3Com OfficeConnect Gigabit Switch 16 (3C1671600A). |

| SPECIFICATIONS (CONTINUED) | HPE 1405-5G V2 Switch (J9792A) | HPE 1405-8G V2 Switch (J9794A) | HPE 1405-16G Desktop Switch (JD844A) |
|---|---|---|---|
| **Services** | Refer to the Hewlett Packard Enterprise website at hpe.com/networking/services for details on the service-level descriptions and product numbers. For details about services, and response times in your area, please contact your local Hewlett Packard Enterprise sales office. | Refer to the Hewlett Packard Enterprise website at hpe.com/networking/services for details on the service-level descriptions and product numbers. For details about services, and response times in your area, please contact your local Hewlett Packard Enterprise sales office. | Refer to the Hewlett Packard Enterprise website at hpe.com/networking/services for details on the service-level descriptions and product numbers. For details about services, and response times in your area, please contact your local Hewlett Packard Enterprise sales office. |

**STANDARDS AND PROTOCOLS**
(applies to all products in series)

| | |
|---|---|
| **General protocols** | IEEE 802.1p Priority<br>IEEE 802.3az Energy Efficient Ethernet<br>IEEE 802.3x Flow Control |

# HPE 1405 Small Office Switch Series

| SPECIFICATIONS (CONTINUED) | HPE 1405-5 V2 Switch (J9791A) | HPE 1405-8 V2 Switch (J9793A) | HPE 1405-16 Desktop Switch (JD858A) |
|---|---|---|---|
| **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 | 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 | 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 | 4.5(w) x 3.6(d) x 1.4(h) in (11.43 x 9.15 x 3.56 cm) | 6.1(w) x 3.6(d) x 1.4(h) in (15.49 x 9.14 x 3.56 cm) | 8.2(w) x 6.3(d) x 1.6(h) in (20.83 x 16 x 4.06 cm) |
| Weight | 0.4 lb (0.18 kg) | 0.5 lb (0.23 kg) | 1.4 lb (0.64 kg) |
| **Memory and processor** | packet buffer size: 384 KB | packet buffer size: 768 KB | packet buffer size: 1.6 MB |
| **Mounting** | Desktop (rear port) | Desktop (rear port) | Desktop (rear port) |
| **Performance** | | | |
| 100 Mb Latency | < 3.2 µs | < 2.9 µs | < 5 µs |
| Throughput | up to 0.7 million pps | up to 1.2 million pps | up to 2.4 million pps |
| Routing/Switching capacity | 1 Gbps | 1.6 Gbps | 3.2 Gbps |
| MAC address table size | 1024 entries | 2048 entries | 4096 entries |
| **Environment** | | | |
| Operating temperature | 32°F to 104°F (0°C to 40°C) | 32°F to 104°F (0°C to 40°C) | 32°F to 104°F (0°C to 40°C) |
| Operating relative humidity | 15% to 95%, noncondensing | 15% to 95%, noncondensing | 10% to 90%, 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 95%, noncondensing | 15% to 95%, noncondensing | 10% to 95%, noncondensing |
| Acoustic | Fanless | Fanless | Fanless |
| **Electrical characteristics** | | | |
| Frequency | 50/60 Hz | 50/60 Hz | 50/60 Hz |
| Voltage | 100 - 240 VAC | 100 - 240 VAC | 100 - 240 VAC |
| Maximum power rating | 1.8 W | 1.9 W | 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. | Maximum power rating and maximum heat dissipation are the worst-case theoretical maximum numbers provided for planning the infrastructure with fully loaded PoE (if equipped), 100% traffic, all ports plugged in, and all modules populated. | Maximum power rating and maximum heat dissipation are the worst-case theoretical maximum numbers provided for planning the infrastructure with fully loaded PoE (if equipped), 100% traffic, all ports plugged in, and all modules populated. |
| **Safety** | UL 60950; IEC 60950-1; EN 60950-1; CAN/CSA-C22.2 No. 60950-1-03 | UL 60950; IEC 60950-1; EN 60950-1; CAN/CSA-C22.2 No. 60950-1-03 | 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 | EN 55022 Class B; ICES-003 Class B; FCC Part 15, Class B; AS/NZS CISPR 22 Class B | EN 55022 Class B; ICES-003 Class B; FCC Part 15, Class B; AS/NZS CISPR 22 Class B |
| **Notes** | | | The HPE 1405-16 Desktop Switch (JD858A) was formerly sold as the 3Com OfficeConnect Fast Ethernet Switch 16 (3C16792C). |

| SPECIFICATIONS (CONTINUED) | HPE 1405-5 V2 Switch (J9791A) | HPE 1405-8 V2 Switch (J9793A) | HPE 1405-16 Desktop Switch (JD858A) |
|---|---|---|---|
| **Services** | Refer to the Hewlett Packard Enterprise website at hpe.com/networking/services for details on the service-level descriptions and product numbers. For details about services, and response times in your area, please contact your local Hewlett Packard Enterprise sales office. | Refer to the Hewlett Packard Enterprise website at hpe.com/networking/services for details on the service-level descriptions and product numbers. For details about services, and response times in your area, please contact your local Hewlett Packard Enterprise sales office. | Refer to the Hewlett Packard Enterprise website at hpe.com/networking/services for details on the service-level descriptions and product numbers. For details about services, and response times in your area, please contact your local Hewlett Packard Enterprise sales office. |

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| **General protocols** | IEEE 802.1p Priority<br>IEEE 802.3az Energy Efficient Ethernet<br>IEEE 802.3x Flow Control |

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