QuickSpecs

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 efficient, with EEE and idle-port power down (v2 models)
- Quality of Service (IEEE 802.1p and DSCP)
- 3-year warranty

Product overview

The 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 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. HP 1405 Small Office switches come with a 3-year warranty, which covers the unit and adapter, as well as provides 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 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**

Overview

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**
  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 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 1405-8G 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
	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 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.	

HP 1405-16G Desktop Switch (JD844A)

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

Technical Specifications

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 ICES-003 Class B FCC Part 15, Class B 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) 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)	

Technical Specifications

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)

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 1405-5 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.

Technical Specifications

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.

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 ICES-003 Class B FCC Part 15, Class B AS/NZS CISPR 22 Class B	

Technical Specifications

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
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)

Technical Specifications

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)

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