

HP V1905 Switch Series

Specifications



HP V1905-24 Switch (JD990A)



HP V1905-48 Switch (JD994A)



HP V1905-24-PoE Switch (JD992A)

Ports	24 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 2 RJ-45 dual-personality 10/100/1000 ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T) 1 RJ-45 serial console port	48 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 2 RJ-45 dual-personality 10/100/1000 ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T) 1 RJ-45 serial console port	24 RJ-45 autosensing 10/100 PoE ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3af PoE); Media Type: Auto-MDIX; Duplex: half or full 2 RJ-45 dual-personality 10/100/1000 ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T) 1 RJ-45 serial console port
Physical characteristics			
Dimensions	9.4(d) x 17.4(w) x 1.7(h) in. (23.88 x 44.2 x 4.32 cm) (1U height)	9.4(d) x 17.4(w) x 1.7(h) in. (23.88 x 44.2 x 4.32 cm) (1U height)	9.4(d) x 17.4(w) x 1.7(h) in. (23.88 x 44.2 x 4.32 cm) (1U height)
Weight	6.8 lb. (3.08 kg)	6.4 lb. (2.9 kg)	7.1 lb. (3.22 kg)
Memory and processor			
Processor	ARM 88E6218 @ 150 MHz, 8 MB SDRAM, 4 MB flash; packet buffer size: 384 KB	ARM 88E6218 @ 150 MHz, 8 MB SDRAM, 4 MB flash; packet buffer size: 384 MB	ARM 88E6218 @ 150 MHz, 8 MB SDRAM, 4 MB flash; packet buffer size: 384 MB
Mounting	Mounts in an EIA-standard 19 in. telco rack or equipment cabinet (hardware included)	Mounts in an EIA-standard 19 in. telco rack or equipment cabinet (hardware included)	Mounts in an EIA-standard 19 in. telco rack or equipment cabinet (hardware included)
Performance			
100 Mb Latency	< 5 μ s	< 5 μ s	< 5 μ s
1000 Mb Latency	< 5 μ s	< 5 μ s	< 5 μ s
Throughput	6.6 million pps	10.1 million pps	6.6 million pps
Routing/Switching capacity	8.8 Gbps	13.6 Gbps	8.8 Gbps
Environment			
Operating temperature	32°F to 113°F (0°C to 45°C)	32°F to 113°F (0°C to 45°C)	32°F to 113°F (0°C to 45°C)
Operating relative humidity	10% to 90%, noncondensing	10% to 90%, 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	10% to 95%, noncondensing	10% to 95%, noncondensing	10% to 95%, noncondensing
Electrical characteristics			
Voltage	100-240 VAC	100-240 VAC	100-240 VAC
Frequency	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz
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	FCC part 15 Class A; VCCI Class A; EN 55022 Class A; CISPR 22 Class A; EN 55024; EN 61000-3-2 2000, 61000-3-3; ICES-003 Class A	FCC part 15 Class A; VCCI Class A; EN 55022 Class A; CISPR 22 Class A; EN 55024; EN 61000-3-2 2000, 61000-3-3; ICES-003 Class A	FCC part 15 Class A; VCCI Class A; EN 55022 Class A; CISPR 22 Class A; EN 55024; EN 61000-3-2 2000, 61000-3-3; ICES-003 Class A
Management	limited command-line interface; Web browser; SNMP Manager; IEEE 802.3 Ethernet MIB	limited command-line interface; Web browser; SNMP Manager; IEEE 802.3 Ethernet MIB	limited command-line interface; Web browser; SNMP Manager; IEEE 802.3 Ethernet MIB
Notes	The HP V1905-24 Switch (JD990A) was formerly sold as the 3Com Baseline Plus 2226 (3CBLSF26H) and may ship with this product labeling.	The HP V1905-48 Switch (JD994A) was formerly sold as the 3Com Baseline Plus 2250 (3CBLSF50H) and may ship with this product labeling.	The HP V1905-24-PoE Switch (JD992A) was formerly sold as the 3Com Baseline Plus 2426 PWR (3CBLSF26PWRH) and may ship with this product labeling.

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	HP V1905-24 Switch (JD990A)	HP V1905-48 Switch (JD994A)	HP V1905-24-PoE Switch (JD992A)
Services	<p>3-year, 4-hour onsite, 13x5 coverage for hardware (UV792E) 3-year, 4-hour onsite, 24x7 coverage for hardware (UW015E) 3-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone support (UW021E) 3-year, 24x7 SW phone support, software updates (UV795E) 4-year, 4-hour onsite, 13x5 coverage for hardware (UV793E) 4-year, 4-hour onsite, 24x7 coverage for hardware (UW016E) 4-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone (UW022E) 4-year, 24x7 SW phone support, software updates (UV796E) 5-year, 4-hour onsite, 13x5 coverage for hardware (UV794E) 5-year, 4-hour onsite, 24x7 coverage for hardware (UW017E) 5-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone (UW023E) 5-year, 24x7 SW phone support, software updates (UV797E) 3 Yr 6 hr Call-to-Repair Onsite (UW018E) 4 Yr 6 hr Call-to-Repair Onsite (UW019E) 5 Yr 6 hr Call-to-Repair Onsite (UW020E)</p> <p>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.</p>	<p>3-year, 4-hour onsite, 13x5 coverage for hardware (UV792E) 3-year, 4-hour onsite, 24x7 coverage for hardware (UW015E) 3-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone support (UW021E) 3-year, 24x7 SW phone support, software updates (UV795E) 4-year, 4-hour onsite, 13x5 coverage for hardware (UV793E) 4-year, 4-hour onsite, 24x7 coverage for hardware (UW016E) 4-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone (UW022E) 4-year, 24x7 SW phone support, software updates (UV796E) 5-year, 4-hour onsite, 13x5 coverage for hardware (UV794E) 5-year, 4-hour onsite, 24x7 coverage for hardware (UW017E) 5-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone (UW023E) 5-year, 24x7 SW phone support, software updates (UV797E) 3 Yr 6 hr Call-to-Repair Onsite (UW018E) 4 Yr 6 hr Call-to-Repair Onsite (UW019E) 5 Yr 6 hr Call-to-Repair Onsite (UW020E)</p> <p>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.</p>	<p>3-year, 4-hour onsite, 13x5 coverage for hardware (UV792E) 3-year, 4-hour onsite, 24x7 coverage for hardware (UW015E) 3-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone support (UW021E) 3-year, 24x7 SW phone support, software updates (UV795E) 4-year, 4-hour onsite, 13x5 coverage for hardware (UV793E) 4-year, 4-hour onsite, 24x7 coverage for hardware (UW016E) 4-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone (UW022E) 4-year, 24x7 SW phone support, software updates (UV796E) 5-year, 4-hour onsite, 13x5 coverage for hardware (UV794E) 5-year, 4-hour onsite, 24x7 coverage for hardware (UW017E) 5-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone (UW023E) 5-year, 24x7 SW phone support, software updates (UV797E) 3 Yr 6 hr Call-to-Repair Onsite (UW018E) 4 Yr 6 hr Call-to-Repair Onsite (UW019E) 5 Yr 6 hr Call-to-Repair Onsite (UW020E)</p> <p>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.</p>
Standards and protocols (applies to all products in series)	<p>Device management RFC 2819 RMON</p> <p>General protocols IEEE 802.1w Rapid Reconfiguration of Spanning Tree IEEE 802.3ab 1000BASE-T IEEE 802.3ac (VLAN Tagging Extension) IEEE 802.3ad Link Aggregation Control Protocol (LACP) IEEE 802.3i 10BASE-T IEEE 802.3u 100BASE-X IEEE 802.3x Flow Control IEEE 802.3z 1000BASE-X</p> <p>MIBs RFC 1213 MIB II RFC 1493 Bridge MIB</p>	<p>RFC 2021 RMONv2 MIB RFC 2233 Interface MIB RFC 2233 Interfaces MIB RFC 2571 SNMP Framework MIB RFC 2572 SNMP-MPD MIB RFC 2573 SNMP-Notification MIB RFC 2573 SNMP-Target MIB RFC 2613 SMON MIB RFC 2618 RADIUS Client MIB RFC 2620 RADIUS Accounting MIB RFC 2665 Ethernet-Like-MIB RFC 2667 IP Tunnel MIB RFC 2668 802.3 MAU MIB RFC 2674 802.1p and IEEE 802.1Q Bridge MIB RFC 2737 Entity MIB (Version 2) RFC 3414 SNMP-User based-SM MIB RFC 3415 SNMP-View based-ACM MIB RFC 3418 MIB for SNMPv3</p>	<p>Network management IEEE 802.1AB Link Layer Discovery Protocol (LLDP) IEEE 802.1D (STP) RFC 1215 SNMP Generic traps</p> <p>QoS/CoS IEEE 802.1P (CoS)</p> <p>Security IEEE 802.1X Port Based Network Access Control</p>