

HP V1905 Switch Series

Specifications



HP V1905-8-PoE Switch (JD877A)



HP V1905-10G-PoE Switch (JD864A)

Ports	<p>8 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</p> <p>1 RJ-45 dual-personality 10/100/1000 port (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T)</p> <p>1 RJ-45 serial console port</p>	<p>9 RJ-45 autosensing 10/100/1000 PoE ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T, IEEE 802.3af PoE); Media Type: Auto-MDIX; Duplex: 10BASE-T/100BASE-TX: half or full; 1000BASE-T: full only</p> <p>1 RJ-45 dual-personality 10/100/1000 PoE port (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T, IEEE 802.3af PoE)</p> <p>1 RJ-45 serial console port</p>
Physical characteristics		
Dimensions	8.0(d) x 13.0(w) x 1.7(h) in. (20.32 x 33.02 x 4.32 cm) (1U height)	8.0(d) x 13.0(w) x 1.7(h) in. (20.32 x 33.02 x 4.32 cm) (1U height)
Weight	4.5 lb. (2.04 kg)	4.9 lb. (2.22 kg)
Memory and processor		
Processor	BRCM 53202 @ 133 MHz, 32 MB SDRAM, 8 MB flash; packet buffer size: 1 MB	Marvell 88E6218 @ 133 MHz, 64 MB SDRAM, 8 MB flash; packet buffer size: 1 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)
Performance		
100 Mb Latency	< 5 μ s	< 5 μ s
1000 Mb Latency	< 5 μ s	< 5 μ s
Throughput	2.7 million pps	14.8 million pps
Routing/Switching capacity	3.6 Gbps	20 Gbps
Environment		
Operating temperature	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
Nonoperating/Storage temperature	-40°F to 158°F (-40°C to 70°C)	-40°F to 70°F (-40°C to 21.1°C)
Nonoperating/Storage relative humidity	10% to 95%, noncondensing	10% to 95%, noncondensing
Electrical characteristics		
Voltage	100-240 VAC	100-240 VAC
Frequency	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
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
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
Notes	The HP V1905-8-PoE Switch (JD877A) was formerly sold as the 3Com OfficeConnect Managed Fast Ethernet PoE Switch (3CRDSF9PWR) and may ship with this product labeling.	The HP V1905-10G-PoE Switch (JD864A) was formerly sold as the 3Com OfficeConnect Managed Gigabit PoE Switch (3CDSG10PWR) and may ship with this product labeling.
Services	<p>3-year, 4-hour onsite, 13x5 coverage for hardware (UV786E)</p> <p>3-year, 4-hour onsite, 24x7 coverage for hardware (UW485E)</p> <p>3-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone support (UW488E)</p> <p>3-year, 24x7 SW phone support, software updates (UV789E)</p> <p>Installation with minimum configuration, system-based pricing (UW451E)</p> <p>4-year, 4-hour onsite, 13x5 coverage for hardware (UV787E)</p> <p>4-year, 4-hour onsite, 24x7 coverage for hardware (UW486E)</p> <p>4-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone (UW489E)</p> <p>4-year, 24x7 SW phone support, software updates (UV790E)</p> <p>5-year, 4-hour onsite, 13x5 coverage for hardware (UV788E)</p> <p>5-year, 4-hour onsite, 24x7 coverage for hardware (UW487E)</p> <p>5-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone (UW490E)</p> <p>5-year, 24x7 SW phone support, software updates (UV791E)</p> <p>3 Yr 6 hr Call-to-Repair Onsite (UW491E)</p> <p>4 Yr 6 hr Call-to-Repair Onsite (UW492E)</p> <p>5 Yr 6 hr Call-to-Repair Onsite (UW493E)</p>	<p>3-year, 4-hour onsite, 13x5 coverage for hardware (UV786E)</p> <p>3-year, 4-hour onsite, 24x7 coverage for hardware (UW485E)</p> <p>3-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone support (UW488E)</p> <p>3-year, 24x7 SW phone support, software updates (UV789E)</p> <p>Installation with minimum configuration, system-based pricing (UW451E)</p> <p>4-year, 4-hour onsite, 13x5 coverage for hardware (UV787E)</p> <p>4-year, 4-hour onsite, 24x7 coverage for hardware (UW486E)</p> <p>4-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone (UW489E)</p> <p>4-year, 24x7 SW phone support, software updates (UV790E)</p> <p>5-year, 4-hour onsite, 13x5 coverage for hardware (UV788E)</p> <p>5-year, 4-hour onsite, 24x7 coverage for hardware (UW487E)</p> <p>5-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone (UW490E)</p> <p>5-year, 24x7 SW phone support, software updates (UV791E)</p> <p>3 Yr 6 hr Call-to-Repair Onsite (UW491E)</p> <p>4 Yr 6 hr Call-to-Repair Onsite (UW492E)</p> <p>5 Yr 6 hr Call-to-Repair Onsite (UW493E)</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.	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 V1905 Switch Series

Specifications (continued)

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Standards and protocols (applies to all products in series)

Device management

RFC 2819 RMON

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

MIBs

RFC 1213 MIB II

RFC 1493 Bridge MIB

HP V1905-10G-PoE Switch (JD864A)

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

Network management

IEEE 802.1AB Link Layer Discovery Protocol (LLDP)

IEEE 802.1D (STP)

RFC 1215 SNMP Generic traps

QoS/CoS

IEEE 802.1P (CoS)

Security

IEEE 802.1X Port Based Network Access Control