

Physical specifications

Feature	Description	
	HP PS110 Wireless 802.11n VPN AM Router (JL065A)	HP PS110 Wireless 802.11n VPN WW Router (JL066A)
Dimensions (W x D x H)	23 x 23.7 x 4.25 cm (9.06 x 9.33 x 1.67 in)	
Weight	1 kg (2.2 lb)	
Mounting and enclosure	MicroServer Gen8 mount/Desktop/wall-mount	Desktop/wall-mount

Technical specifications

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	HP PS110 Wireless 802.11n VPN AM Router (JL065A)	HP PS110 Wireless 802.11n VPN WW Router (JL066A)
I/O ports and slots	1 RJ-45 autosensing 10/100/1000 WAN port 4 RJ-45 autosensing 10/100/1000 LAN ports	
AP characteristics	Radios (built-in): 802.11a/b/g/n Radio operation modes: Client access, client bridge AP operation modes: Autonomous Wi-Fi Alliance Certification: a/b/g/n Wi-Fi Certified a/b	Radios (built-in): 802.11a/b/g/n Radio operation modes: Client access, client bridge AP operation modes: Autonomous Wi-Fi Alliance Certification: a/b/g/n Wi-Fi Certified
Memory and processor	MIPS @ 700 MHz, 128MB NAND flash	
Performance	MAC address table size: 2048 entries VPN throughput: Up to 30 Mb/s Dedicated IPsec VPN tunnels: 5 Network throughput: 920 Mb/s (NAT) Concurrent sessions: 5 Number of VLANs: 4	
Reliability	MTBF (years): 51.54	
Management	IMC - Intelligent Management Center; Web browser; HTTPS	
Notes	Frequency bands and operating channels FCC: 2.412 - 2.462 GHz (1 - 11 channels) 5.180 - 5.240 GHz (36 - 48 channels) 5.745 - 5.825 GHz (149 - 165 channels) European Union 2.412 - 2.472 GHz (1 - 13 channels) 5.180 - 5.240 GHz (36 - 48 channels) 5.260 - 5.320 GHz (52 - 64 channels) 5.500 - 5.700 GHz (100 - 140 channels), excluding 5600-5650 MHz Rest of World (Actual channels designated by selecting country in UI)	

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	2.412 - 2.472 GHz (1 - 13 channels) 5.180 - 5.320 GHz (36 - 64 channels) 5.500 - 5.700 GHz (100 - 144 channels); excluding 5600-5650 MHz 5.745 - 5.825 GHz (149 - 165 channels) Taiwan: 2.412 - 2.462 GHz (1 - 11 channels) 5.280 - 5.320 GHz (56 - 64 channels) 5.500 - 5.700 GHz (100 - 144 channels); excluding 5600-5650 MHz 5.745 - 5.825 GHz (149 - 165 channels)	

Electrical specifications

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	HP PS110 Wireless 802.11n VPN AM Router (JL065A)	HP PS110 Wireless 802.11n VPN WW Router (JL066A)
AC voltage	100 - 240 V ac	
Maximum power rating	9.5 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. 12 V dc power adaptor	

Environmental specifications

Feature	Description	
	HP PS110 Wireless 802.11n VPN AM Router (JL065A)	HP PS110 Wireless 802.11n VPN WW Router (JL066A)
Operating temperature	0° to 40°C (32° to 104°F)	
Operating relative humidity	5% to 95%, noncondensing	
Nonoperating/storage temperature	-40° to 70°C (-40° to 158°F)	
Altitude	Up to 3 km (10,000 ft)	
Notes	No fan	

Safety certifications

Feature	Description	
	HP PS110 Wireless 802.11n VPN AM Router (JL065A)	HP PS110 Wireless 802.11n VPN WW Router (JL066A)
Safety	UL 60950-1; EN 60950-1; CAN/CSA-C22.2 No.	UL 60950-1; CAN/CSA 22.2

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	HP PS110 Wireless 802.11n VPN AM Router (JL065A)	HP PS110 Wireless 802.11n VPN WW Router (JL066A)
	60950-1	No. 60950-1; EN 60950-1
Emissions	ICES-003 Class B; FCC Part 15; Class B	EN 55022 Class B; EN 301 489-1; EN 301 489-17
Radio	FCC Part 15.247; FCC Part 15.407; RSS-210	EN 300 328; EN 301 893
RF exposure	FCC Bulletin OET-65C; RSS-102	EN 62311
Regulatory model	MRLBB-1405	
Transmit power	2.4 GHz: 802.11b 19 dbm +/- 2 dBm, 802.11g 22 dBm +/- 2 dBm, 802.11n HT20 23 dBm +/- 2 dBm, 802.11n HT40 19 dBm +/- 2 dBm Maximum transmit power varies by country	2.4 GHz: 802.11b 11 dbm +/- 2 dBm, 802.11g 13 dBm +/- 2 dBm, 802.11n HT20 13 dBm +/- 2 dBm, 802.11n HT40 13 dBm +/- 2 dBm 5 GHz: 802.11a 22 dBm +/- 2 dBm, 802.11n HT20 21 dBm +/- 2 dBm, 802.11n HT40 20 dBm +/- 2 dBm Maximum transmit power varies by country
Receiver sensitivity	802.11b:-78 dBm @ 11 Mb/s, 802.11g:-73 dBm @ 54 Mb/s, 802.11n (2.4 GHz):-66 dBm @ 450 Mb/s, 802.11a:-72 dBm @ 54 Mb/s, 802.11n (5 GHz):-65 dBm @ 450 Mb/s	802.11b:-78 dBm @ 11 Mb/s, 802.11g:-73 dBm @ 54 Mb/s, 802.11n (2.4 GHz):-66 dBm @ 450 Mb/s, 802.11a:-72 dBm @ 54 Mb/s, 802.11n (5 GHz):-65 dBm @ 450 Mb/s

Standards and protocols

Feature	Description	
	HP PS110 Wireless 802.11n VPN AM Router (JL065A)	HP PS110 Wireless 802.11n VPN WW Router (JL066A)
Denial of service protection	Automatic Filtering of well-known Denial of Service Packets	
Device management	RFC 1157 SNMPv1/v2c Web UI	
General protocols	IEEE 802.11a/b/g Wireless Protocol IEEE 802.1D Spanning Tree Protocol IEEE 802.1p Priority IEEE 802.1Q VLANs IEEE 802.1W Rapid Spanning Tree Protocol IEEE 802.3 Type 10BASE-T IEEE 802.3ab 1000BASE-T RFC 1631 NAT RFC 1723 RIP v2 RFC 2131 DHCP RFC 2236 IGMP Snooping RFC 2637 Point-to-Point Tunneling Protocol (PPTP)	

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	RFC 2661 L2TP IPv6: RFC 2080 RIPng for IPv6 Mobility: IEEE 802.11a High Speed Physical Layer in the 5 GHz Band IEEE 802.11b Higher-Speed Physical Layer Extension in the 2.4 GHz Band IEEE 802.11e QoS enhancements IEEE 802.11g Further Higher Data Rate Extension in the 2.4 GHz Band IEEE 802.11n WLAN Enhancements for Higher Throughput QoS/CoS: IEEE 802.1P (CoS) RFC 2474 DSCP DiffServ RFC 2474, with 4 queues per port Wi-Fi MultiMedia (WMM), IEEE 802.11e Security: WPA (Wi-Fi Protected Access) WPA (Wi-Fi Protected Access)/WPA2	