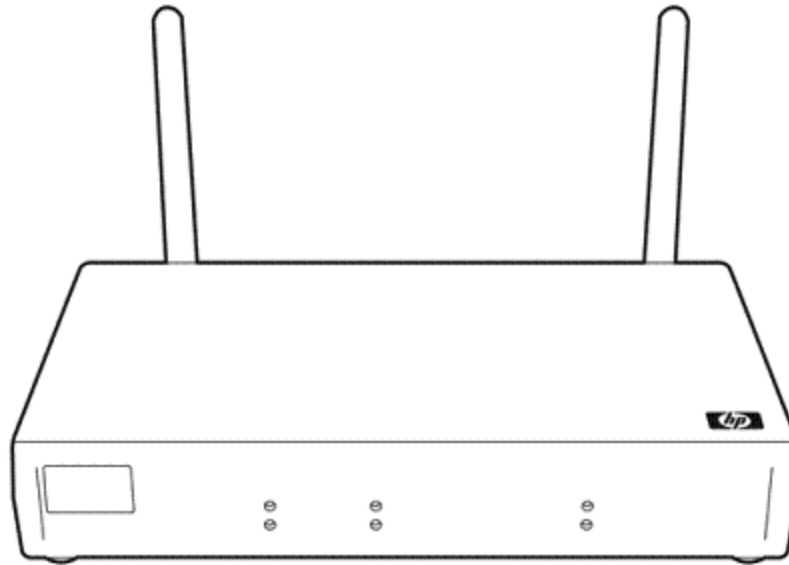


Overview

HP V10ag Wireless Access Point



Models

HP V10ag Wireless Access Point (NA)

J9140A

HP V10ag Wireless Access Point (WW)

J9141A

Key features

- Wireless AP with IEEE 802.11a/b/g support
 - Powerable by PoE or AC
 - Secure connectivity, dual radio, up to eight SSIDs
 - Industry-leading warranty
-

Product overview

The HP V10ag Wireless Access Point is ideal for small business networks that need to deploy wireless connectivity quickly and easily with minimal investment. The HP V10ag Wireless Access Point can be configured in just minutes using the intuitive Web-managed interface. The HP V10ag Wireless Access Point also supports IEEE 802.11a, 802.11b, and 802.11g clients simultaneously via its dual IEEE 802.11a and 802.11b/g radios. The Wireless Access Point 10ag can be wall mounted or placed on a flat surface and has the option to be powered by Power over Ethernet (PoE), allowing for increased location flexibility.

Features and Benefits

Connectivity

- **Simultaneous IEEE 802.11a and 802.11g dual radio operation:** supports up to 64 wireless clients and provides backward compatibility for IEEE 802.11b wireless devices

Manageability

- **Intuitive Web interface:** enables simple management via an easy-to-use Web browser interface for access point configuration, monitoring, and administration
- **Integration with HP PCM:** enables discovery and mapping via HP PCM, available as a free download from the Web

Mobility

- **Interoperability:** Wi-Fi Alliance certifications including IEEE 802.11a, 802.11b, 802.11g Wi-Fi, and WPA2 to help ensure multivendor interoperability

Security

- **Choice of Wi-Fi Protected Access 2 (WPA2) or WPA:** locks out unauthorized wireless access by authenticating users prior to granting network access; robust Advanced Encryption Standard (AES) or Temporal Key Integrity Protocol (TKIP) encryption secures the data integrity of the wireless traffic

- **Supports up to eight SSIDs** (four per radio): allows multiple authentication and encryption settings to accommodate the widest range of client capabilities
- **IEEE 802.1X**: provides port-based user authentication with support for Extensible Authentication Protocol (EAP) MD5, TLS, TTLS, and PEAP with choice of AES, TKIP, and static or dynamic WEP encryption for protecting wireless traffic between authenticated clients and the access point
- **RADIUS-based MAC authentication**: authenticates a wireless client with a RADIUS server based on the MAC address of the client; this is useful for clients with minimal or no user interface
- **MAC address lockout**: prevents particular configured MAC addresses from connecting to the network
- **Management password**: provides security so that only authorized access to the Web browser interface is allowed

Ease of use

- **Comprehensive LED display**: provides an at-a-glance view of status, activity, speed, and radio operation

Flexibility

- **Choice of power supply** (standard AC power or IEEE 802.3af PoE): provides location flexibility for where the access point is deployed. To use the Power over Ethernet (PoE) option, the access point must be connected to a PoE switch or PoE injector.
- **Deployment options**: access point can be mounted on a vertical wall or placed on a flat surface

Warranty and support

- **ProCurve Lifetime Warranty**: for as long as you own the product, with next-business-day advance replacement (available in most countries).
- **Electronic and telephone support**: limited electronic and telephone support is available from HP. Refer to the HP Web site at: www.hp.com/networking/support for details on the support provided and the period during which support is available.
- **Software releases**: refer to the HP Web site at: www.hp.com/networking/support for details on the software releases provided and the period during which software releases are available.

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Technical Specifications

HP V10ag Wireless Access Point (NA) (J9140A)	Ports	1 RJ-45 autosensing 10/100 port (IEEE 802.3 Type 10Base-T, IEEE 802.3u Type 100Base-TX); Duplex: half or full
	Physical characteristics	Dimensions 4.06(d) x 7.01(w) x 1.34(h) in. (10.3 x 17.8 x 3.4 cm)
HP V10ag Wireless Access Point (WW) (J9141A)		Weight 0.62 lb. (0.28 kg)
	Memory and processor	Processor MIPS 4000 @ 220 MHz, 16 MB SDRAM, 2 MB flash ROM
	Environment	Operating temperature 32°F to 104°F (0°C to 40°C); PoE mode Operating relative humidity 5% to 95% @ 104°F (40°C), noncondensing

Electrical characteristics	Nonoperating/Storage temperature	-40°F to 158°F (-40°C to 70°C)
	Nonoperating/Storage relative humidity	5% to 95% @ 158°F (70°C), noncondensing
	Altitude	up to 10,000 ft. (3 km)
	Description	Voltage: 48 VDC (PoE); 12 VDC (power adapter); 110/220 V 50/60 Hz
	Maximum heat dissipation	25 / 33 BTU/hr (26.38 / 34.82 kJ/hr)
Frequency band and Operating channels	Current	0.6 / 0.2 A
	Maximum power rating	7 W
	European Union	2.412 - 2.472 GHz (13 channels) 5.150 - 5.250 GHz (4 channels)
	Japan	2.412 - 2.484 GHz (14 channels) 5.150 - 5.350 GHz (8 channels)
	China	2.412 - 2.472 GHz (13 channels) 5.725 - 5.825 GHz (5 channels)
	Singapore	2.412 - 2.472 GHz (13 channels) 5.150 - 5.350 GHz (8 channels) 5.725 - 5.825 GHz (5 channels)
	Korea	2.412 - 2.472 GHz (13 channels) 5.150 - 5.350 GHz (8 channels) 5.470 - 5.725 GHz (7 channels) 5.725 - 5.825 GHz (4 channels)
	Australia	2.412 - 2.472 GHz (13 channels) 5.725 - 5.825 GHz (5 channels)
	Radio	FCC Part 15.247; FCC Part 15.407 (US); RSS-210 (Canada); EN 300 328; ARIB STD-T66; ARIB STD-T71; ARIB STD-33; RSS-Gen (Canada); EN 301 893 V1.2.3 (Europe)
	Safety	IEC 60950-1; EN 60950-1
	RF Exposure	EN 50385
Emissions	Emissions	FCC Part 15.107; EN 60601-1-2; EN 301 489-1; EN 301 489-17; FCC Part 15.109; ICES-003 (Canada)
	Management	HP PCM; Web browser
	Services	3-year, 4-hour onsite, 13x5 coverage for hardware (U4683E)
		3-year, 4-hour onsite, 24x7 coverage for hardware (U4835E)
		3-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone support (U6321E)
		3-year, 24x7 SW phone support, software updates (UF792E)
		Installation with minimum configuration, system-based pricing (U4826E)
		Installation with HP-provided configuration, system-based pricing (U4830E)
		4-year, 4-hour onsite, 13x5 coverage for hardware (UR948E)
		4-year, 4-hour onsite, 24x7 coverage for hardware (UR949E)
		4-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone (UR950E)
		4-year, 24x7 SW phone support, software updates (UR951E)
		5-year, 4-hour onsite, 13x5 coverage for hardware (UR952E)
		5-year, 4-hour onsite, 24x7 coverage for hardware (UR953E)
		5-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone (UR954E)
		5-year, 24x7 SW phone support, software updates (UR955E)
		3 Yr 6 hr Call-to-Repair Onsite (UW368E)
		4 Yr 6 hr Call-to-Repair Onsite (UW369E)
		5 Yr 6 hr Call-to-Repair Onsite (UW370E)

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.

Radio characteristics: IEEE 802.11g

Data rate	54 Mbps	54 Mbps	48 Mbps	48 Mbps	36 Mbps	36 Mbps	24 Mbps	24 Mbps
Receiver sensitivity	-71 dBm	-71 dBm	-73 dBm	-73 dBm	-77 dBm	-77 dBm	-80 dBm	-80 dBm
Transmit power	17.5 dBm	19 dBm	17.5 dBm	20 dBm	17.5 dBm	20 dBm	17.5 dBm	20 dBm
Data rate	18 Mbps	18 Mbps	12 Mbps	12 Mbps	9 Mbps	9 Mbps	6 Mbps	6 Mbps
Receiver sensitivity	-85 dBm	-85 dBm	-87 dBm	-87 dBm	-88 dBm	-88 dBm	-89 dBm	-89 dBm
Transmit power	17.5 dBm	20 dBm	17.5 dBm	20 dBm	17.5 dBm	20 dBm	17.5 dBm	20 dBm

Radio characteristics: IEEE 802.11b

Data rate	11 Mbps	11 Mbps	5.5 Mbps	5.5 Mbps	2 Mbps	2 Mbps	1 Mbps	1 Mbps
Receiver sensitivity	-86 dBm	-86 dBm	-88 dBm	-88 dBm	-90 dBm	-90 dBm	-94 dBm	-94 dBm
Transmit power	17 dBm	20 dBm	17 dBm	20 dBm	17 dBm	20 dBm	17 dBm	20 dBm

Radio characteristics: IEEE 802.11a

Data rate	54 Mbps	54 Mbps	48 Mbps	48 Mbps	36 Mbps	36 Mbps	24 Mbps	24 Mbps
Receiver sensitivity	-72 dBm	-72 dBm	-73 dBm	-73 dBm	-79 dBm	-79 dBm	-82 dBm	-82 dBm
Transmit power	18 dBm	18 dBm	18 dBm	18 dBm	18 dBm	18 dBm	18 dBm	18 dBm
Data rate	18 Mbps	18 Mbps	12 Mbps	12 Mbps	9 Mbps	9 Mbps	6 Mbps	6 Mbps
Receiver sensitivity	-85 dBm	-85 dBm	-87 dBm	-87 dBm	-89 dBm	-89 dBm	-90 dBm	-90 dBm
Transmit power	18 dBm	18 dBm	18 dBm	18 dBm	18 dBm	18 dBm	18 dBm	18 dBm

Standards and protocols
(applies to all products in series)

General protocols
IEEE 802.3 Type 10BASE-T
IEEE 802.3af Power over Ethernet
IEEE 802.3u 100BASE-X

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 802.11g Further Higher Data Rate Extension in the 2.4 GHz Band

Security
IEEE 802.1X Port Based Network Access Control
WPA (Wi-Fi Protected Access)

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Accessories

HP V10ag Wireless Access Point accessories

Power Supply

HP 1-Port Power Injector

J9407A

To learn more, visit: www.hp.com/networking

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