

ProCurve Wireless Access Point 10ag

The ProCurve Wireless Access Point 10ag is ideal for small enterprise networks that need to deploy wireless connectivity quickly and easily with minimal investment. The Wireless Access Point 10ag can be configured in just minutes using the intuitive Web Managed interface. The ProCurve Wireless Access Point 10ag 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 maximum location flexibility.



ProCurve Wireless Access Point 10ag
NA (J9140A)

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Features and benefits

Mobility

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

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

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 8 SSIDs:** permits network administrators to control user access to network resources based on user authentication and level of trusted security between the wireless user and the access point
- **IEEE 802.1X:** provides port-based user authentication with support for Extensible Authentication Protocol (EAP) MD-5, 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:** a wireless client is authenticated with a RADIUS server based on the MAC address of the client; this is useful for clients that have minimal or no user interface
- **RADIUS accounting support:** separate RADIUS accounting server support per SSID; provides detailed session, usage, and billing information for each client activity

- **MAC address lockout:** prevents configured particular MAC addresses from connecting to the network
- **Management password:** provides security so that only authorized access to the Web browser interface is allowed

Manageability

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

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

Industry-leading warranty

- **Lifetime warranty:** for as long as you own the product, with next-business-day advance replacement (available in most countries)

Services

Check www.hp.com/go/procurveservices for part numbers and service-level descriptions. For details about services and response times in your area, please contact your local HP sales office.

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Specifications



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Ports	1 RJ-45 auto-sensing 10/100 port (IEEE 802.3 Type 10Base-T, IEEE 802.3u Type 100Base-TX) Duplex: half or full
Physical characteristic	
Dimensions (D x W x H)	4.06 x 7.01 x 1.34 in. (10.3 x 17.8 x 3.4 cm)
Weight	0.62 lb. (0.28 kg)
Memory and processor	
Processor type and speed	MIPS 4000 @ 220 MHz
SDRAM	16 MB
Flash ROM	2 MB
Environment	
Operating temperature	32°F to 104°F (0°C to 40°C)
Operating relative humidity	5% to 95% @ 104°F (40°C), non-condensing
Non-operating/Storage temperature	-40°F to 158°F (-40°C to 70°C)
Non-operating/Storage relative humidity	5% to 95% @ 158°F (70°C), non-condensing
Altitude	Up to 10,000 ft. (3 km)
Electrical characteristics	
Voltage	48 VDC (PoE); 12 VDC (power adapter)
Maximum heat dissipation	25/33 BTU/hr
Current	0.6 A/0.2 A
Power consumption	7.2 W/9.6 W
Frequency band and operating channels	
FCC (U.S. and Canada)	2.412–2.462 GHz (11 channels) 5.150–5.250 GHz (4 channels) 5.725–5.825 GHz (5 channels)
Radio	FCC Part 15.247; FCC Part 15.407 (U.S.); RSS-210; RSS-Gen (Canada)
Safety	UL 60950-1; CAN/CSA 22.2 No. 60950-1
Emissions	FCC Part 15.107 (U.S.); FCC Part 15.109 (U.S.); ICES-0003 (Canada)
RF exposure	FCC Bulletin OET-65C; IEEE C95.1; RSS-102
Management	ProCurve Manager; Web browser

Specifications (continued)



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Radio characteristics: IEEE 802.11g

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

Radio characteristics: IEEE 802.11b

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

Radio characteristics: IEEE 802.11a

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

Antennas

Integral 2.4 GHz 1.8 dBi diversity antennas; 5 GHz 1.8 dBi diversity antennas

Standards and protocols

General protocols

IEEE 802.3 Type 10BASE-T
IEEE 802.3u 100BASE-TX
IEEE 802.3af Power over Ethernet

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)

For more information

To learn more about ProCurve Networking, please visit www.procurve.com

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