

HP ProCurve Wireless Device Selection Guide: Access Points

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MultiService Mobility—Mobility Access Points

Products	HP ProCurve MSM422 Access Point (J9359A WW/J9358A US)	HP ProCurve MSM410 Access Point (J9427A WW/J9426A US)	HP ProCurve MSM325 Access Point (J9373A WW/J9369A US)	HP ProCurve MSM335 Access Point (J9357A WW/J9356A US)	HP ProCurve MSM310 Access Point (J9379A WW/J9374A US)	HP ProCurve MSM320 Access Point (J9364A WW/J9360A US)	HP ProCurve MSM317 Access Device (J9423A WW/J9422A US)
Ideal environment	Medium to large organizations or customers that want to start or be ready for their IEEE 802.11n migration	Small to medium organizations or customers that want to start or be ready for their IEEE 802.11n migration	Small to medium organizations where customers need added security for their wireless environments	Medium to large organizations where customers need added security for their wireless environments	Small to medium organizations that require managed wireless environments	Medium to large organizations that require managed wireless environments	Small to medium organizations that need “quad play” services in hospitality, residential property, and educational industries
Customers’ needs • Ease of use, speed to deployment • Low-cost solution • Location flexibility • Flexibility to meet customers’ needs • Cost-effective solution • Intuitive and simple configuration • Industry-standard security	• Simultaneous, multiple wireless client support (IEEE 802.11a/b/g, 802.11a/b/g, and/or 802.11n)	• Simultaneous, multiple wireless client support (IEEE 802.11a/b/g or 802.11n)	• Simultaneous, multiple wireless client support (IEEE 802.11a/b/g) • 7x24 monitoring of wireless environment • Automatic identification and blocking of wireless vulnerabilities without compromising network performance	• Simultaneous, multiple wireless client support (IEEE 802.11a/b/g) • 7x24 monitoring of wireless environment • Automatic identification and blocking of wireless vulnerabilities without compromising network performance	• Simultaneous, multiple wireless client support (IEEE 802.11a/b/g)	• Simultaneous, multiple wireless client support (IEEE 802.11a/b/g)	• Simultaneous, multiple wireless client support (IEEE 802.11b/g)
Competitive products	• Cisco Aironet 1250 • Aruba AP-120 • Trapeze MP-432	• Cisco Aironet 1250 • Aruba AP-120 • Trapeze MP-432	• Aruba AP-70 • Trapeze MP-372A		• Cisco Aironet 1130, 1240 • Aruba AP-60 • Trapeze MP-371	• Cisco Aironet 1130, 1240 • Aruba AP-70 • Trapeze MP-372A, MP-422A	
Features							
Management • Web browser	✓	✓	✓	✓	✓	✓	The MSM317 requires an MSM7XX series controller to operate.
• HP ProCurve Manager 3.0 AU1/ HP ProCurve Mobility Manager 3.0 AU2	✓	✓	✓	✓	✓	✓	✓
Security • IEEE 802.1X	✓	✓	✓	✓	✓	✓	✓
• Choice of Wi-Fi Protected Access 2 (WPA2) or WPA	✓	✓	✓	✓	✓	✓	✓
• User access control	Up to 16 SSIDs (with separate VLAN, security, and authentication per SSID)	Up to 16 SSIDs (with separate VLAN, security, and authentication per SSID)	Up to 16 SSIDs (with separate VLAN, security, and authentication per SSID)	Up to 16 SSIDs (with separate VLAN, security, and authentication per SSID)	Up to 16 SSIDs (with separate VLAN, security, and authentication per SSID)	Up to 16 SSIDs (with separate VLAN, security, and authentication per SSID)	Up to 16 SSIDs (with separate VLAN, security, and authentication per SSID)
• Access point (rogue AP) detection			✓	✓			
• HP ProCurve Identity Driven Manager		✓	✓	✓	✓	✓	
Ports • 10/100 ports or 10/100/1000	✓	✓	✓	✓	✓	✓	✓
Radio • Number • Radio type • Number of antennas • Antenna characteristics • Enclosure(s)	• Dual • IEEE 802.11a/b/g/n and 802.11a/b/g • 6 Internal and 4 external • Dual-band, omnidirectional, and IEEE 802.11n fixed 3x3 MIMO and IEEE 802.11a/b/g (diversity) • Indoor	• Single • IEEE 802.11a/b/g/n • 3 Internal • Dual-band 2.4/5 GHz omnidirectional • Indoor	• Dual • IEEE 802.11a/b/g and 802.11a/b/g • 4 External • 2 dBi dual-band 2.4/5 GHz omnidirectional • Indoor	• Triple • IEEE 802.11a/b/g and 802.11a/b/g and 802.11a/b/g • 6 Internal and 3 External • Dual-band 2.4/5 GHz omnidirectional or directional patch antennas (per flap) • Indoor	• Single • IEEE 802.11a/b/g • 2 External • 2 dBi dual-band 2.4/5 GHz omnidirectional • Indoor	• Dual • IEEE 802.11a/b/g and 802.11a/b/g • 4 External • 2 dBi dual-band 2.4/5 GHz omnidirectional • Indoor	• Single • IEEE 802.11b/g • 2 Internal • 2.4 GHz directional (diversity) • Indoor
Dimensions (DxWxH)	6.7(d) x 8.8(w) x 2.6(h) in. (17.02 x 22.35 x 6.6 cm)	6.16 x 5.19 x 1.94 in. (15.64 x 13.17 x 4.94 cm)	6.52 x 6.40 x 1.88 in. (16.56 x 16.26 x 4.78 cm)	6.7 x 8.8 x 2.6 in. (17.02 x 22.35 x 6.6 cm)	6.52 x 6.40 x 1.88 in. (16.56 x 16.26 x 4.78 cm)	6.52 x 6.40 x 1.88 in. (16.56 x 16.26 x 4.78 cm)	4.49 x 2.72 x 1.11 in (11.41 x 6.91 x 2.83 cm) US 3.00 x 2.80 x 1.11 in (7.62 x 7.11 x 2.83cm) WW
Accessories							
Product name (part number)	• HP ProCurve MSM335 and MSM422 Power Supply (J9406A) • HP ProCurve 1-Port Power Injector (J9407A)	• HP ProCurve 1-Port Power Injector (J9407A)	• HP ProCurve MSM31x and MSM32x Power Supply (J9405A) • HP ProCurve MSM310/MSM320 AP Mounting Bracket (J9403A) • HP ProCurve 1-Port Power Injector (J9407A)	• HP ProCurve MSM335 and MSM422 Power Supply (J9406A) • HP ProCurve 1-Port Power Injector (J9407A)	• HP ProCurve MSM31x and MSM32x Power Supply (J9405A) • HP ProCurve MSM310/MSM320 AP Mounting Bracket (J9403A) • HP ProCurve 1-Port Power Injector (J9407A)	• HP ProCurve MSM320 RF sensor license (J9384A) • HP ProCurve MSM31x and MSM32x Power Supply (J9405A) • HP ProCurve MSM310/MSM320 AP Mounting Bracket (J9403A) • HP ProCurve 1-Port Power Injector (J9407A)	

Independent Access Points							
Products	HP ProCurve MSM310-R Access Point (J9383A WW/J9380A US)	HP ProCurve MSM320-R Access Point (J9368A WW/J9365A US)	HP ProCurve Wireless Access Point 10ag (J9141A WW/J9140A US)	HP ProCurve M111 Client Bridge (J9389A WW/US)*	HP ProCurve M110 Access Point (J9388A WW/J9385A US)	HP ProCurve MSM323 Access Point (J9341A WW/J9337A US)	HP ProCurve MSM313 Access Point (J9350A WW/J9346A US)
Ideal environment	Small to large organizations that require outdoor managed wireless environments	Medium to large organizations that require outdoor managed wireless environments	Small business networks requiring wireless connectivity that is easy to set up and manage	Small to large organizations that need wireless connectivity for wired devices	Small business that need standalone access points	Public hotspot networks and small to medium deployments that require an integrated full-featured MultiService Mobility Access Point and MultiService Mobility Controller in a single turnkey unit	Public hotspot networks and small business deployments that require an integrated full-featured MultiService Mobility Access Point and MultiService Mobility Controller in a single turnkey unit
Customers' needs	<ul style="list-style-type: none"> Flexibility to meet customers' needs Cost-effective solution Intuitive and simple configuration Industry-standard security Simultaneous, multiple wireless client support (IEEE 802.11a/b/g) Outdoor wireless coverage 	<ul style="list-style-type: none"> Flexibility to meet customers' needs Cost-effective solution Intuitive and simple configuration Industry-standard security Simultaneous, multiple wireless client support (IEEE 802.11a/b/g) Outdoor wireless coverage 	<ul style="list-style-type: none"> Small or no IT department Cost-effective solution Intuitive and simple configuration Industry-standard security Simultaneous, multiple wireless client support (IEEE 802.11a/b/g) 	<ul style="list-style-type: none"> Legacy client devices easily integrated into a wireless device 	<ul style="list-style-type: none"> Small or no IT department Cost-effective solution Intuitive and simple configuration Industry-standard security Simultaneous, multiple wireless client support (IEEE 802.11a/b/g) 	<ul style="list-style-type: none"> All-in-one solution that supports public and guest users Dual Radios that can support IEEE 802.11a/b/g clients 	<ul style="list-style-type: none"> All-in-one solution that supports public and guest users Single radio that can support IEEE 802.11a/b/g clients
Competitive products	<ul style="list-style-type: none"> Cisco Aironet 1310, 1410, 1510, 1240AG Aruba AP-80M Trapeze MP-620A 	<ul style="list-style-type: none"> Cisco Aironet 1310, 1410, 1510, 1240AG Aruba AP-80M Trapeze MP-620A 	<ul style="list-style-type: none"> 3Com Wireless 7760 NETGEAR WAG102 D-Link DWL7200AP 	<ul style="list-style-type: none"> 3Com Wireless LAN Workgroup Bridge 	<ul style="list-style-type: none"> 3Com Wireless 7760 		
Features							
Management							
• Web browser	✓	✓	✓				
• HP ProCurve Manager 3.0 AU1/ HP ProCurve Mobility Manager 3.0 AU2	✓	✓	Discover, map, and launch Web interface				
• Guest Account Registration							
Security							
• IEEE 802.1X	✓	✓	✓				
• Choice of Wi-Fi Protected Access 2 (WPA2) or WPA	✓	✓	✓				
• RADIUS-based MAC authentication	Up to 16 SSIDs	Up to 16 SSIDs	✓				
• HP ProCurve Identity Driven Manager			✓				
• User access control	✓	✓	Up to 8 SSIDs	Up to 16 SSIDs	Up to 16 SSIDs	Up to 16 SSIDs	Up to 16 SSIDs
Ports							
10/100 ports	✓	✓	✓				
Radio							
<ul style="list-style-type: none"> Number Radio type Number of antennas Antenna characteristics Enclosure(s) 	<ul style="list-style-type: none"> Single IEEE 802.11a/b/g 2 External 5.5 dBi 2.4 GHz omnidirectional Outdoor 	<ul style="list-style-type: none"> Dual IEEE 802.11a/b/g and 802.11a/b/g 2 External 5.5 dBi 2.4 GHz omnidirectional Outdoor 	<ul style="list-style-type: none"> Dual IEEE 802.11a/b/g and 802.11b/g 2 External Integral 2.4 GHz 1.8 dBi diversity antennas; 5 GHz 1.8 dBi diversity antennas Indoor 	<ul style="list-style-type: none"> Single IEEE 802.11a/b/g 2 External 2 dBi dual-band 2.4/5 GHz omnidirectional Indoor 	<ul style="list-style-type: none"> Single IEEE 802.11a/b/g 2 External 2 dBi dual-band 2.4/5 GHz Indoor 	<ul style="list-style-type: none"> Dual IEEE 802.11a/b/g and 802.11b/g 4 External 2 dBi dual-band 2.4/5 GHz omnidirectional Indoor 	<ul style="list-style-type: none"> Single IEEE 802.11a/b/g 2 External 2 dBi dual-band 2.4/5 GHz omnidirectional Indoor
Dimensions (DxWxH)	8.44 x 7.25 x 2.14 in. (21.44 x 18.42 x 5.44 cm)	8.44 x 7.25 x 2.14 in. (21.44 x 18.42 x 5.44 cm)	4.06 x 7.01 x 1.34 in. (0.3 x 17.8 x 3.4 cm)	5 x 5.5 x 1.3 in. (12.7 x 13.97 x 3.3 cm)	5 x 5.5 x 1.3 in. (12.7 x 13.97 x 3.3 cm)	6.52 x 6.4 x 1.88 in. (16.56 x 16.26 x 4.78 cm)	6.52 x 6.4 x 1.88 in. (16.57 x 16.26 x 4.78 cm)
Accessories							
Product name (part number)	<ul style="list-style-type: none"> HP ProCurve MSM31x and MSM32x Power Supply (J9405A) HP ProCurve 1-Port Power Injector (J9407A) 	<ul style="list-style-type: none"> HP ProCurve MSM320 RF sensor license (J9384A) HP ProCurve MSM31x and MSM32x Power Supply (J9405A) HP ProCurve 1-Port Power Injector (J9407A) 					

Notes

*Bridges an Ethernet LAN segment, supporting a wide range of DECnet, IPX, AppleTalk, and other devices, to IEEE 802.11a/b/g WLAN providing IEEE 802.1X PEAP authentication and up to WPA2 security without upgrading the clients

HP ProCurve Wireless Device Selection Guide: Controllers

MultiService Mobility—Controllers					
Products	HP ProCurve MSM710 Mobility Controller (J9325A)	HP ProCurve MSM760 Mobility Controller (J9420A)	HP ProCurve MSM765zl Mobility Controller (J9370A)	HP ProCurve MSM710 Access Controller (J9328A)	HP ProCurve MSM760 Access Controller (J9421A)
Ideal environment	Small business networks; it can support up to 10 APs	Medium to enterprise businesses; it can support from 40 to 200 APs	Medium to enterprise businesses; it can support from 40 to 200 APs	Small business networks; it can support up to 10 APs	Medium to enterprise businesses; it can support from 40 to 200 APs
Customers' needs <ul style="list-style-type: none"> Ease of use, speed to deployment Low-cost solution Location flexibility Flexibility to meet customers' needs Cost-effective solution Intuitive and simple configuration Industry-standard security 	<ul style="list-style-type: none"> WLAN management and configuration Secure guest access Roaming for wireless clients VoIP 	<ul style="list-style-type: none"> WLAN management and configuration Secure guest access Roaming for wireless clients VoIP 	<ul style="list-style-type: none"> WLAN management and configuration Secure guest access Roaming for wireless clients VoIP Blade module to fit 8200zl or 5400zl chassis 	<ul style="list-style-type: none"> WLAN management and configuration Secure guest access 	<ul style="list-style-type: none"> WLAN management and configuration Secure guest access
Competitive products	<ul style="list-style-type: none"> Cisco 2106, 2112, 4402-12 Aruba MC-200, MC-800 Trapeze MXR-2, MX-8 	<ul style="list-style-type: none"> Aruba 3200, 3400, 3600 Cisco 4400 Series, 3750G Trapeze MX-200, MX-216, MX-2800 	<ul style="list-style-type: none"> Aruba 3200, 3400, 3600 Cisco 4400 Series, 3750G Trapeze MX-200, MX-216, MX-2800 	<ul style="list-style-type: none"> Nomadix AG 3100, IP3 NA-Xe and NA-Xi 	<ul style="list-style-type: none"> Aruba 3200, 3400, 3600 Cisco 4400 Series, 3750G Trapeze MX-200, MX-216, MX-2800
Features					
Management <ul style="list-style-type: none"> Web browser 	✓	✓	✓	✓	✓
<ul style="list-style-type: none"> HP ProCurve Manager 3.0 AU1/ HP ProCurve Mobility Manager 3.0 AU2 	✓	✓	✓	✓	✓
<ul style="list-style-type: none"> Guest Account Registration 	✓	✓	✓	✓	✓
Security <ul style="list-style-type: none"> IEEE 802.1X Choice of Wi-Fi Protected Access 2 (WPA2) or WPA RADIUS-based MAC authentication Access point (rogue AP) detection HP ProCurve Identity Driven Manager 	✓	✓	✓	✓	✓
<ul style="list-style-type: none"> User access control 	Up to 16 SSIDs with separate VLAN, security, and authentication per SSID	Up to 16 SSIDs with separate VLAN, security, and authentication per SSID	Up to 16 SSIDs with separate VLAN, security, and authentication per SSID	Up to 16 SSIDs with separate VLAN, security, and authentication per SSID	Up to 16 SSIDs with separate VLAN, security, and authentication per SSID
Mobility <ul style="list-style-type: none"> Layer 2 fast roaming Layer 3 fast roaming 	✓	✓	✓		
Ports 10/100 ports or 10/100/1000	✓	✓	✓	✓	✓
Dimensions (DxWxH)	7.5 x 10 x 1.74 in. (19.05 x 25.4 x 4.42 cm)	15.38 x 17.32 x 1.75 in. (39.07 x 43.99 x 4.45 cm) (1U height)	10.3 x 8.13 x 1.75 in. (26.16 x 20.65 x 4.45 cm)	7.52 x 10 x 1.73 in. (19.1 x 25.4 x 4.4 cm)	15.38 x 17.32 x 1.75 in. (39.07 x 43.99 x 4.45 cm) (1U height)
Accessories					
Product name (part number)	<ul style="list-style-type: none"> HP ProCurve MSM710 Controller Rack Mounting Kit (J9404A) HP ProCurve 1-Port Power Injector (J9407A) 	<ul style="list-style-type: none"> HP ProCurve MSM760/765 40 AP License (J9371A) 	<ul style="list-style-type: none"> HP ProCurve MSM760/765 40 AP License (J9371A) 	<ul style="list-style-type: none"> HP ProCurve MSM710 Mobility Service Upgrade (J9331A) HP ProCurve MSM710 Controller Rack Mounting Kit (J9404A) HP ProCurve 1-Port Power Injector (J9407A) 	<ul style="list-style-type: none"> HP ProCurve MSM760/765 40 AP License (J9371A) HP ProCurve MSM760 Premium License (J9491A)

HP ProCurve Wireless Device Selection Guide: Management and Security

WLAN Management and Security						
Products	HP ProCurve RF Manager 50 IDS/IPS system (J9398A)	HP ProCurve RF Manager 100 IDS/IPS system (J9397A)	HP ProCurve CNMS 200 software (J9428A)	HP ProCurve CNMS 500 software (J9429A)	HP ProCurve Mobility Manager 3.0 AU2 (J9291A, J9292A, or J9293A)	HP ProCurve RF Planner (J9400A)
Ideal environment	Small to medium organizations where customers need added security for their wireless environments	Medium to large organizations where customers need added security for their wireless environments	Medium to large enterprises that want to deploy, manage, or extend wireless access	Medium to large enterprises that want to deploy, manage, or extend wireless access	Medium to large enterprises that want to plan, deploy, manage, or extend wireless access	Medium to large enterprises that want to plan their wireless deployments
Customers' needs	<ul style="list-style-type: none"> Accurately detect and classify all wireless threat types and eliminate false positives Block threats without disrupting normal traffic and maintain high network availability Complement to wired security systems Regulatory Compliance reporting for PCI, HIPAA, SOX, GLBA, and DoD 	<ul style="list-style-type: none"> Accurately detect and classify all wireless threat types and eliminate false positives Block threats without disrupting normal traffic and maintain high network availability Complement to wired security systems Regulatory Compliance reporting for PCI, HIPAA, SOX, GLBA, and DoD 	<ul style="list-style-type: none"> Automatic discovery of HP ProCurve Intelligent Mobility system components Automated configuration of more than 200 settings, plus software distribution Real-time network and user-level monitoring Continuous security policy audits Reporting package that supplies detailed trending information 	<ul style="list-style-type: none"> Automatic discovery of HP ProCurve Intelligent Mobility system components Automated configuration of more than 200 settings, plus software distribution Real-time network and user-level monitoring Continuous security policy audits Reporting package that supplies detailed trending information 	<ul style="list-style-type: none"> Unified support for legacy (AP420, AP530, WESM/RPs) and next-generation (MSM controllers and MSM APs) HP ProCurve mobility devices Historical information is stored for a five-year period; enhanced dashboards and chart visualization options Ease the creation and edition of sites represented by graphical floor plans and RF spillage visual indication (heat maps) Basic rogue AP identification and approximate location tracking of the suspected AP 	<ul style="list-style-type: none"> Build RF propagation model with outstanding accuracy Comprehensive knowledge base of RF characteristics for HP ProCurve MultiService Access Points, third-party equipment (client cards, access points, and directional antennas), and building materials Open-air modeling capabilities that facilitate the design of outdoor campus and municipal networks
Competitive products						
Features						
Management • Web browser	✓	✓	✓	✓	✓	
Security • Access point (rogue AP) detection	✓	✓				
Ports 10/100 ports or 10/100/1000*	✓	✓				
Dimensions (DxWxH)	14.17 x 16.85 x 1.73 in. (36.0 x 42.8 x 4.4 cm)	17.2 x 16.85 x 1.73 in. (43.7 x 42.8 x 4.4 cm) (1U height)				
Notes *Up to 16 SSIDs with separate VLAN, security, and authentication per SSID	Ships with a base license of 50 sensors; is upgradable to 100	Ships with a base license of 100 sensors; is upgradable to 200				
Accessories						
Product name (part number)	HP ProCurve RF Manager sensor license—50-sensor upgrade (J9399A)	HP ProCurve RF Manager sensor license—50-sensor upgrade (J9399A)		HP ProCurve CNMS 500 license—500-device upgrade (J9430A)		



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