



#### Key features

- Zero-configuration service interface
- Advanced bandwidth management capabilities
- Complete IP routing and networking services
- Integrated MultiService Access Point

Datasheet

## **NEW** HP ProCurve Mobility Integrated Services Access Point Series

HP ProCurve MSM313 and MSM323 Access Points integrate a full-featured MultiService Mobility Access Point and MultiService Mobility Controller in a single turnkey unit. They are used to create easy-to-use public/guest Internet access (hotspot) services. The zero-configuration service interface adapts to client device configuration settings. Bandwidth management creates multiple service tiers and provides users with fair access to bandwidth. The access points provide secure user authentication, authorization, and accounting (AAA), enabling a wide range of free or fee-based service models. They support HTML and IEEE 802.1X login, and provide interfaces for centralized AAA, captive portal, and billing functions, allowing large multilocation networks.

# HP ProCurve Mobility Integrated Services Access Point Series

## Features and benefits

### Industry-leading warranty



### Mobility

- **All-in-one simplicity:** The HP ProCurve MSM313 and MSM323 Access Points combine a full-featured multiservice access point and multiservice controller in a single easy-to-deploy enclosure that is ideally suited for public hotspot networks and small enterprise deployments.
- **Award-winning public/guest Internet access service:** The ProCurve MSM313 and MSM323 Access Points provide high-speed guest Internet access for up to 25 patrons, guests, and partners. Guest access can be segmented from corporate applications. Easy, Web-based login via a captive, customized portal and zero-configuration service adapts to any client device's IP address and Web proxy settings.
- **Rock-solid security:** Security policies based on user credentials (IEEE 802.1X/EAP), hardware identifiers (MAC address and WEP key), or HTML login are enforced at the network edge to safeguard network and information integrity. Standards-based RADIUS interface provides remote authentication, authorization, and accounting (AAA) system integration and hardware-assisted encryption using WPA2/AES (IEEE 802.11i), WPA/RC4, and/or WEP. A built-in stateful firewall provides secure connection to the Internet.

- **High-performance, multiservice networking:** The ProCurve MSM313 and MSM323 Access Points can deliver multiple services simultaneously: networking policies tailored for Quality of Service (QoS), authentication, encryption, bandwidth allocation, and VLANs based on user, device, or application identity. End-to-end QoS based on TOS/DiffServ, IEEE 802.1p, and TCP/UDP port. IEEE 802.11e Wireless MultiMedia (WMM) and SpectraLink Voice Priority (SVP) provide voice performance.
- **Rich management features:** Activity statistics support per-user billing by data volume and elapsed session time. There is also integrated support for leading third-party hotspot billing services. The self-healing configuration automatically adjusts to changes in the RF environment. The series provides advanced IP networking capabilities, including Adaptive NAT, SMTP redirect, and DHCP services for transparent application support.
- **Location flexibility:** The series features a plenum-rated enclosure and is powered by IEEE 802.3af Power over Ethernet (PoE) or a power supply accessory (sold separately).

### 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.procurve.com/support](http://www.procurve.com/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.procurve.com/support](http://www.procurve.com/support) for details on the software releases provided and the period during which software releases are available.

\* For as long as you own the product, with next-business-day advance replacement (available in most countries). The following hardware products and their related series modules have a one-year hardware warranty with extensions available: HP ProCurve Routing Switch 9300m Series, HP ProCurve Switch 8100f Series, and HP ProCurve Network Access Controller 800. The following hardware mobility products have a one-year hardware limited warranty with extensions available: HP ProCurve M111 Client Bridge, HP ProCurve MSM3xx-R Access Points, HP ProCurve MSM7xx Mobility and Access Controllers, HP ProCurve RF Manager IDS/IPS Systems, HP ProCurve MSM Power Supplies, and HP ProCurve 1-Port Power Injector. Standalone software, upgrades, or licenses may have a different warranty duration. For details, refer to the ProCurve Software License, Warranty, and Support booklet at [www.procurve.com/warranty](http://www.procurve.com/warranty).

# HP ProCurve Mobility Integrated Services Access Point Series

## Specifications



HP ProCurve MSM323 Access Point WW (J9341A)



HP ProCurve MSM313 Access Point WW (J9350A)

<b>Ports</b>	2 RJ-45 auto-sensing 10/100 ports (IEEE 802.3 Type 10Base-T, IEEE 802.3u Type 100Base-TX) Duplex: half or full 1 RJ-11 serial console port	2 RJ-45 auto-sensing 10/100 ports (IEEE 802.3 Type 10Base-T, IEEE 802.3u Type 100Base-TX) Duplex: half or full 1 RJ-11 serial console port
<b>Physical characteristics</b>		
Dimensions (D x W x H)	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)
Weight	3.0 lb. (1.36 kg)	3.0 lb. (1.36 kg)
Enclosure	Indoor, plenum rated	Indoor, plenum rated
<b>Environment</b>		
Operating temperature	32°F to 122°F (0°C to 50°C)	32°F to 122°F (0°C to 50°C)
Operating relative humidity	5% to 95%, non-condensing	5% to 95%, non-condensing
Non-operating/Storage temperature	-40°F to 176°F (-40°C to 80°C)	-40°F to 176°F (-40°C to 80°C)
Non-operating/Storage relative humidity	5% to 95%, non-condensing	5% to 95%, non-condensing
<b>Electrical characteristics</b>		
Description	5 VDC connector (power supply sold separately), IEEE 802.3af PoE compliant	5 VDC connector (power supply sold separately), IEEE 802.3af PoE compliant
Power consumption	8.6 W	6.5 W
Antenna Connector	(4) RP-SMA with diversity	(2) RP-SMA with diversity
Antenna	(4) 2 dBi dual-band 2.4/5 GHz omnidirectional	(2) 2 dBi dual-band 2.4/5 GHz omnidirectional
<b>Frequency band and Operating FCC (US and Canada)</b>	2.412–2.462 GHz (11 channels) 5.180–5.240 GHz (4 channels) 5.745–5.825 GHz (5 channels)	2.412–2.462 GHz (11 channels) 5.180–5.240 GHz (4 channels) 5.745–5.825 GHz (5 channels)
<b>European Union</b>	2.412–2.472 GHz (13 channels) 5.180–5.240 GHz (4 channels) 5.260–5.320 GHz (4 channels) 5.500–5.700 GHz (11 channels)	2.412–2.472 GHz (13 channels) 5.180–5.240 GHz (4 channels) 5.260–5.320 GHz (4 channels) 5.500–5.700 GHz (11 channels)
<b>Radio</b>	FCC Part 15.247; FCC Part 15.407 (US); RSS-210 (Canada); EN 300 328; ARIB STD-T66; IDA Registration (Singapore); MIC approval (Korea); RCR STD-33; ARIB STD-T71 (Japan); EN 301 893 (EU)	FCC Part 15.247; FCC Part 15.407 (US); RSS-210 (Canada); EN 300 328; ARIB STD-T66; IDA Registration (Singapore); MIC approval (Korea); RCR STD-33; ARIB STD-T71 (Japan); EN 301 893 (EU)
<b>Safety</b>	UL 1950; UL 2043; IEC 60950; EN 60950; CSA 22.2 No. 950-95	UL 1950; UL 2043; IEC 60950; EN 60950; CSA 22.2 No. 950-95
<b>Emissions</b>	EN 55022 Class B; EN 301 489-1; EN 301 489-17; ICES-003 Class B; FCC Part 15, Class B	EN 55022 Class B; EN 301 489-1; EN 301 489-17; ICES-003 Class B; FCC Part 15, Class B
<b>Medical</b>	EN60601-1-2	EN60601-1-2
<b>RF Exposure</b>	FCC Part 15.247; RSS-210; EN 300-328; ETS 301-398	FCC Part 15.247; RSS-210; EN 300-328; ETS 301-398
<b>Notes</b>	Maximum transmit power varies by country.	Maximum transmit power varies by country.
<b>Services</b>	3-year, 4-hour onsite, 13x5 coverage for hardware (UN663E) 3-year, 4-hour onsite, 24x7 coverage for hardware (UN664E) 3-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone support (UN666E) 3-year, 24x7 software phone support, software updates (UN665E)  Refer to the HP Web site at <a href="http://www.procurve.com/services">www.procurve.com/services</a> 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.	3-year, 4-hour onsite, 13x5 coverage for hardware (UN675E) 3-year, 4-hour onsite, 24x7 coverage for hardware (UN676E) 3-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone support (UN678E) 3-year, 24x7 software phone support, software updates (UN677E)  Refer to the HP Web site at <a href="http://www.procurve.com/services">www.procurve.com/services</a> 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 ProCurve MSM323 Access Point WW (J9341A)

#### Radio characteristics: Dual a/j/b/g + a/b/g

Data rate	IEEE 802.11a/j	IEEE 802.11a/j	IEEE 802.11g	IEEE 802.11g	IEEE 802.11b	IEEE 802.11b
	6 Mbps	54 Mbps	6 Mbps	54 Mbps	1 Mbps	11 Mbps
Receiver sensitivity	-87 dBm	-67 dBm	-87 dBm	-70 dBm	-87 dBm	-87 dBm
Transmit power	18 dBm	12 dBm	18 dBm	13 dBm	18.5 dBm	18.5 dBm

### HP ProCurve MSM313 Access Point WW (J9350A)

#### Radio characteristics: IEEE 802.11a/j/b/g

Data rate	IEEE 802.11a/j	IEEE 802.11a/j	IEEE 802.11g	IEEE 802.11g	IEEE 802.11b	IEEE 802.11b
	6 Mbps	54 Mbps	6 Mbps	54 Mbps	1 Mbps	11 Mbps
Receiver sensitivity	-87 dBm	-67 dBm	-87 dBm	-70 dBm	-87 dBm	-87 dBm
Transmit power	18 dBm	12 dBm	18 dBm	13 dBm	18.5 dBm	18.5 dBm

# HP ProCurve Mobility Integrated Services Access Point Series

## Specifications



HP ProCurve MSM323 Access Point US (J9337A)



HP ProCurve MSM313 Access Point US (J9346A)

<b>Ports</b>	2 RJ-45 auto-sensing 10/100 ports (IEEE 802.3 Type 10Base-T, IEEE 802.3u Type 100Base-TX) Duplex: half or full 1 RJ-11 serial console port	2 RJ-45 auto-sensing 10/100 ports (IEEE 802.3 Type 10Base-T, IEEE 802.3u Type 100Base-TX) Duplex: half or full 1 RJ-11 serial console port
<b>Physical characteristics</b>		
Dimensions (D x W x H)	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)
Weight	3.0 lb. (1.36 kg)	3.0 lb. (1.36 kg)
Enclosure	Indoor, plenum rated	Indoor, plenum rated
<b>Environment</b>		
Operating temperature	32°F to 122°F (0°C to 50°C)	32°F to 122°F (0°C to 50°C)
Operating relative humidity	5% to 95%, non-condensing	5% to 95%, non-condensing
Non-operating/Storage temperature	-40°F to 176°F (-40°C to 80°C)	-40°F to 176°F (-40°C to 80°C)
Non-operating/Storage relative humidity	5% to 95%, non-condensing	5% to 95%, non-condensing
<b>Electrical characteristics</b>		
Description	5 VDC connector (power supply sold separately), IEEE 802.3af PoE compliant	5 VDC connector (power supply sold separately), IEEE 802.3af PoE compliant
Power consumption	8.6 W	6.5 W
Antenna Connector	(4) RP-SMA with diversity	(2) RP-SMA with diversity
Antenna	(4) 2 dBi dual-band 2.4/5 GHz omnidirectional	(2) 2 dBi dual-band 2.4/5 GHz omnidirectional
<b>Frequency band and Operating FCC (US and Canada)</b>	2.412–2.462 GHz (11 channels) 5.180–5.240 GHz (4 channels) 5.745–5.825 GHz (5 channels)	2.412–2.462 GHz (11 channels) 5.180–5.240 GHz (4 channels) 5.745–5.825 GHz (5 channels)
<b>European Union</b>	2.412–2.472 GHz (13 channels) 5.180–5.240 GHz (4 channels) 5.260–5.320 GHz (4 channels) 5.500–5.700 GHz (11 channels)	2.412–2.472 GHz (13 channels) 5.180–5.240 GHz (4 channels) 5.260–5.320 GHz (4 channels) 5.500–5.700 GHz (11 channels)
<b>Radio</b>	FCC Part 15.247; FCC Part 15.407 (US); RSS-210 (Canada); EN 300 328; ARIB STD-T66; IDA Registration (Singapore); MIC approval (Korea); RCR STD-33; ARIB STD-T71 (Japan); EN 301 893 (EU)	FCC Part 15.247; FCC Part 15.407 (US); RSS-210 (Canada); EN 300 328; ARIB STD-T66; IDA Registration (Singapore); MIC approval (Korea); RCR STD-33; ARIB STD-T71 (Japan); EN 301 893 (EU)
<b>Safety</b>	UL 1950; UL 2043; IEC 60950; EN 60950; CSA 22.2 No. 950-95	UL 1950; UL 2043; IEC 60950; EN 60950; CSA 22.2 No. 950-95
<b>Emissions</b>	EN 55022 Class B; EN 301 489-1; EN 301 489-17; ICES-003 Class B; FCC Part 15, Class B	EN 55022 Class B; EN 301 489-1; EN 301 489-17; ICES-003 Class B; FCC Part 15, Class B
<b>Medical</b>	EN60601-1-2	EN60601-1-2
<b>RF Exposure</b>	FCC Part 15.247; RSS-210; EN 300-328; ETS 301-398	FCC Part 15.247; RSS-210; EN 300-328; ETS 301-398
<b>Notes</b>	Maximum transmit power varies by country.	Maximum transmit power varies by country.
<b>Services</b>	3-year, 4-hour onsite, 13x5 coverage for hardware (UN663E) 3-year, 4-hour onsite, 24x7 coverage for hardware (UN664E) 3-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone support (UN666E) 3-year, 24x7 software phone support, software updates (UN665E)  Refer to the HP Web site at <a href="http://www.procurve.com/services">www.procurve.com/services</a> 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.	3-year, 4-hour onsite, 13x5 coverage for hardware (UN675E) 3-year, 4-hour onsite, 24x7 coverage for hardware (UN676E) 3-year, 4-hour onsite, 24x7 coverage for hardware, 24x7 software phone support (UN678E) 3-year, 24x7 software phone support, software updates (UN677E)  Refer to the HP Web site at <a href="http://www.procurve.com/services">www.procurve.com/services</a> 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 ProCurve MSM323 Access Point US (J9337A)

#### Radio characteristics: Dual a/j/b/g + a/b/g

Data rate	IEEE 802.11a/j	IEEE 802.11a/j	IEEE 802.11g	IEEE 802.11g	IEEE 802.11b	IEEE 802.11b
	6 Mbps	54 Mbps	6 Mbps	54 Mbps	1 Mbps	11 Mbps
Receiver sensitivity	-87 dBm	-67 dBm	-87 dBm	-70 dBm	-87 dBm	-87 dBm
Transmit power	18 dBm	12 dBm	18 dBm	13 dBm	18.5 dBm	18.5 dBm

### HP ProCurve MSM313 Access Point US (J9346A)

#### Radio characteristics: IEEE 802.11a/j/b/g

Data rate	IEEE 802.11a/j	IEEE 802.11a/j	IEEE 802.11g	IEEE 802.11g	IEEE 802.11b	IEEE 802.11b
	6 Mbps	54 Mbps	6 Mbps	54 Mbps	1 Mbps	11 Mbps
Receiver sensitivity	-87 dBm	-67 dBm	-87 dBm	-70 dBm	-87 dBm	-87 dBm
Transmit power	18 dBm	12 dBm	18 dBm	13 dBm	18.5 dBm	18.5 dBm

HP ProCurve Mobility Integrated Services Access Point Series

HP ProCurve Mobility Integrated Services Access Point Series

# HP ProCurve Mobility Integrated Services Access Point Series



Network of Choice

## HP ProCurve Mobility Integrated Services Access Point Series accessories

HP ProCurve 1-Port Power Injector (J9407A)

### HP ProCurve MSM323 Access Point WW (J9341A)

HP ProCurve MSM31x and MSM32x Power Supply (J9405A)

HP ProCurve MSM310/MSM320 AP Mounting Bracket (J9403A)

### HP ProCurve MSM313 Access Point WW (J9350A)

HP ProCurve MSM31x and MSM32x Power Supply (J9405A)

HP ProCurve MSM310/MSM320 AP Mounting Bracket (J9403A)

### HP ProCurve MSM323 Access Point US (J9337A)

HP ProCurve MSM31x and MSM32x Power Supply (J9405A)

HP ProCurve MSM310/MSM320 AP Mounting Bracket (J9403A)

### HP ProCurve MSM313 Access Point US (J9346A)

HP ProCurve MSM31x and MSM32x Power Supply (J9405A)

HP ProCurve MSM310/MSM320 AP Mounting Bracket (J9403A)

## For more information

To learn more about HP ProCurve Networking, please visit [ProCurve.com](http://ProCurve.com)

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