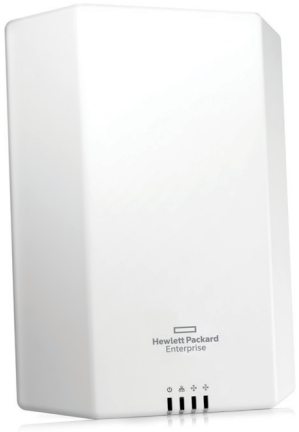
Hewlett Packard Enterprise

Data sheet

HPE OfficeConnect M330 802.11ac Dual Radio Access Point Series



Key features

- Up to 1.3 Gbps on the 802.11ac radio and 450 Mbps on the 2.4 GHz 802.11n radio
- Simplified wireless LAN administration with clustering technology
- Robust guest access captive portal features
- Powered by IEEE 802.3af PoE or included power supply
- Limited Lifetime Warranty

Product overview

HPE OfficeConnect M330 802.11ac Dual Radio Access Point Series delivers high performance 3x3:3 MIMO technology with simultaneous 1.3 Gbps IEEE 802.11ac performance and up to 450 Mbps IEEE 802.11n support and increased range to 802.11 clients to support increasing mobile device densities and video applications. They support standalone operation as well as "clustering" of up to 16 HPE OfficeConnect M330 Access Points to accommodate wireless coverage of small to midsize locations. To simplify deployment, these APs can be powered by Power over Ethernet (IEEE 802.3af) or used with included country-localized power adapter. They are fully compatible with the high-speed IEEE 802.11ac and IEEE 802.11n wireless standards, and backward compatible for legacy IEEE 802.11a/b/g support. Each access point includes the necessary accessories for table, wall, or ceiling mounting.

With clustering technology, a configuration change on one access point propagates across all HPE OfficeConnect M330 Access Points, so changes are uniform throughout the network for consistent security and uninterrupted wireless client roaming. Clustering technology requires no wireless controller or additional hardware, enabling you to keep your network easily accessible.

To simplify user access to the wireless network, the HPE OfficeConnect M330 Access Points provides two captive portals with choice in user authentication for flexibility in how users access the network. Flexible options enable the creation of customized access Web pages that includes a welcome message, placement of company logo, and text message field for guest access details.

The series is part of the OfficeConnect portfolio of Hewlett Packard Enterprise small business networking products and includes a Lifetime Warranty. This warranty provides advance hardware replacement with next business day shipment in most countries, limited 24x7 telephone support available from HPE for the first 90 days, and limited electronic and business hours telephone support is available from HPE for the entire warranty period.

Features and benefits

Management

- Centralized wireless LAN management
  - Simplified access point management

    Commonly used configuration parameters enabled on one HPE OfficeConnect M330 Access Point pass to all members (up to 16 APs) of the cluster, reducing the need to configure each AP individually
  - Auto-channel planning

    APs in a cluster are automatically assigned to a channel that reduces interference between adjacent APs
  - Client connection list

    Access any member of the cluster to view information about clients connected to any clustered AP
- Secure and easy-to-use Web UI
  - Quick setup page

    Consolidates key settings into one page for simple and rapid configuration for common deployment scenarios
- Browser-based device configuration

  HPE OfficeConnect M330 Access Point enables configuration and management through a secure and intuitive Web browser interface
- SNMP v1 and v2c

  Facilitates management of the AP as the device can be discovered, monitored, and managed from an SNMP management station
- Command-line interface (CLI)

  Provides an easy-to-use CLI for configuring the AP via an SSH or Telnet session

Connectivity

- **Simultaneous IEEE 802.11ac and IEEE 802.11n radio support** HPE OfficeConnect M330 Dual Radio 802.11ac Access Point series offers

  Simultaneous 1.3 Gbps IEEE 802.11ac performance concurrently with up to 450 Mbps IEEE 802.11n support. The dual radio design improves coverage and user capacity with 3x3:3 multiple-input multiple-output (MIMO) technology and with three spatial streams on each radio, so wireless clients connect at maximum performance
- IEEE 802.3af PoE-powered device (PD) option

  Simplifies deployment and dramatically reduces installation costs by helping eliminate the time and cost involved in supplying local power at each access point location
- Spanning Tree Protocol (IEEE 802.1D)

  Prevents network loops
- IPv6 support

  The HPE OfficeConnect M330 Access Point provides native support for IPv6, the newest version of the Internet Protocol, as well as the previous IPv4 standard

Mobility

- Service-class segmentation
  - Up to eight SSIDs per radio

    Allows administrator to identify multiple service sets for clients to access
  - Up to eight VLANs per radio

    IEEE 802.1Q VLAN tagging provides security and traffic control between workgroups
  - SSID to VLAN mapping

    Permits segmenting traffic on each SSID to a specific VLAN
- Guest access portal

  HPE OfficeConnect M330 Access Point provides two guest access captive portals with choice in user authentication for flexibility in how guest users access the network. Flexible options enable the creation of a customized guest access Web page including welcome message, placement of company logo, and text message field for guest access details
- Auto-channel select

  Helps reduce radio co-channel interference by automatically selecting a channel with the least radio interference
- Six internal MIMO omni-directional antennas

  Provides excellent coverage through use of embedded high-gain 3x3 antennas (4.9 dBi antenna at 2.4 GHz and 5.7 dBi antenna at 5 GHz); no need for the added cost of external antennas
- Wireless Distribution System (WDS)

  Allows the HPE OfficeConnect M330 Access Point to connect wirelessly to other HPE OfficeConnect M330 Access Points without a wired backbone; this is useful for extending the network across areas where no wired infrastructure exists
- Interoperability

  Meets Wi-Fi Alliance certifications, including IEEE 802.11ac and IEEE 802.11n Wi-Fi to help provide multi-vendor interoperability

Security

- Rogue AP detection

  Identifies all APs in range; known or trusted access points can be saved, allowing network administrators to identify unauthorized APs
- Secure Sockets Layer (SSL)

  Encrypts all HTTP traffic, allowing secure access to the browser-based management interface of the access point
- Management password

  Provides security so that only authorized access to the Web browser interface is allowed
- RADIUS-based user authentication

  Authenticates a user with a RADIUS server based on user credentials
- 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

- RADIUS-based VLAN assignment

  Places wireless client on RADIUS-assigned VLAN

- Closed system

  Restricts broadcast of SSID as a security measure to conceal presence of the wireless network

- Wired Equivalent Privacy (WEP) using 64- and 128-bit encryption

  Provides backward compatibility for legacy clients

- Choice of IEEE 802.11i, 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 wireless traffic

- Local wireless bridge client traffic filtering

  Prevents communication between wireless devices associated with the same SSID

- Secure shell (SSHv1/v2)

  Encrypts all transmitted data for secure, remote CLI access over IP networks

Warranty and support

- Limited Lifetime Warranty

  See **hpe.com/officeconnect/support** for warranty and support information included with your product purchase.

HPE OfficeConnect M330 802.11ac Dual Radio Access Point Series

SPECIFICATIONS	HPE OfficeConnect M330 Dual Radio 802.11ac (AM) Access Point (JL062A) HPE OfficeConnect M330 Dual Radio 802.11ac (WW) Access Point (JL063A) HPE OfficeConnect M330 Dual Radio 802.11ac (JP) Access Point (JL064A)
I/O ports and slots	1 RJ-45 autosensing 10/100/1000 port (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T); Media Type: Auto-MDIX; Duplex: 10BASE-T/100BASE-TX: half or full; 1000BASE-T: full only
AP characteristics	
Radios (built-in)	802.11a/b/g/n/ac
Radio operation modes	Client access
AP operation modes	Autonomous
Wi-Fi Alliance Certification	a/b/g/n/ac Wi-Fi Certified
Antenna	Internal 2.4 and 5 GHz MIMO omni-directional antennas
Number of internal antennas	6
Physical characteristics	
Dimensions	6.13(w) x 1.58(d) x 8.22(h) in. (15.57 x 4.01 x 20.88 cm)
Weight	2.71 lb (1.23 kg)
Memory and processor	
Processor	Dual core @ 800 MHz, 128 MB flash, 256 MB SDRAM
Mounting and enclosure	Indoor wall and ceiling mounting with included accessory
Environment	
Operating temperature	32°F to 104°F (0°C to 40°C)
Operating relative humidity	15% to 80% @ 104°F (40°C), noncondensing
Non-operating/Storage temperature	-40°F to 158°F (-40°C to 70°C)
Non-operating/Storage relative humidity	15% to 90% @ 140°F (70°C), noncondensing
Altitude	up to 9,842 ft (3 km)
Acoustic	Low-speed fan: 0 dB, High-speed fan: 0 dB (no fan)
Electrical characteristics	
Description	IEEE 802.3af PoE Compliant switch port or included 100-240 V 50/60 Hz 12 V output external power adapter.
AC voltage	100–240 VAC
Current	0.2/.2 A
Maximum power rating	13 W
PoE power	12 W PoE
Notes	PoE Power is the power supplied by the internal power supply, it is dependent on the type and quantity of power supplies and may be supplemented with the use of an External Power Supply (EPS). 13 watts is the maximum power draw when the device is used with the included power adapter. PoE maximum power draw is 12.95 watts. Maximum current with power adapter is .89 A; maximum current for PoE supplied power is .26 A.

SPECIFICATIONS CONTINUED	HPE OfficeConnect M330 Dual Radio 802.11ac (AM) Access Point (JL062A) HPE OfficeConnect M330 Dual Radio 802.11ac (WW) Access Point (JL063A) HPE OfficeConnect M330 Dual Radio 802.11ac (JP) Access Point (JL064A)
Reliability	
MTBF (years)	107.53
Frequency band and operating channels	
European Union	2.412–2.472 GHz (1–13 channels) 5.180–5.320 GHz (36–64 channels) 5.50–5.70 GHz (100–140 [excluding 5600-5650 MHz] channels)
Taiwan	2.412–2.472 GHz (1–13 channels) 5.280–5.320 GHz (56–64 channels) 5.50–5.70 GHz (100–144 [excluding 5600-5650 MHz] channels) 5.745–5.825 GHz (149–165 channels)
Japan	2.412–2.472 GHz (1–13 channels) 5.180–5.320 GHz (36–64 channels) 5.50–5.70 GHz (100–140 channels)
Americas	2.412–2.462 GHz (1–11 channels) 5.180–5.320 GHz (36–64 channels) 5.50–5.70 GHz (100–144 [excluding 5600-5650 MHz] channels) 5.745–5.825 GHz (149–165 channels)
Rest of World (actual channels designated by selecting country in UI)	2.412–2.472 GHz (1–13 channels) 5.180–5.320 GHz (36–64 channels) 5.50–5.70 GHz (100–144 channels) 5.745–5.825 GHz (149–165 channels)
Radio	FCC Part 15.247; FCC Part 15.407 (US); RSS-210 (Canada); EN 300 328; EN 301-489-1; EN 301-489-17; ARIB STD-T66; RSS-Gen (Canada); OFTA (Hong Kong); DSPR (Japan); IDA Registration (Singapore); MIC approval (Korea); RCR STD-33; ARIB STD-T71 (Japan); EN 301 893 (EU); KCC approval (Korea)
Safety	UL 60950-1; IEC 60950-1; CAN/CSA-C22.2 No. 60950-1
RF exposure	FCC Bulletin OET-65C; RSS-102; CFR 47, Part 2, Subpart J; ANSI/IEEE C95.1 (99)
Wireless interface	Microsoft® Internet Explorer 5.5 or higher; Netscape Navigator 6.0 or higher
Emissions	EN 55022 Class B; EN 60601-1-2; EN 301 489-1; EN 301 489-17; ICES-003 Class B; FCC Part 15, Class B; KCC Class A
Management	Command-line interface; Web browser; SNMP manager; Telnet; HTTPS
Services	Refer to the Hewlett Packard Enterprise website at **hpe.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 Hewlett Packard Enterprise sales office.

SPECIFICATIONS CONTINUED

HPE OfficeConnect M330 Dual Radio 802.11ac (AM) Access Point (JL062A)
HPE OfficeConnect M330 Dual Radio 802.11ac (WW) Access Point (JL063A)
HPE OfficeConnect M330 Dual Radio 802.11ac (JP) Access Point (JL064A)

Radio characteristics:
HPE OfficeConnect M330 Dual Radio 802.11ac (AM) Access Point (JL062A)
HPE OfficeConnect M330 Dual Radio 802.11ac (WW) Access Point (JL063A)
HPE OfficeConnect M330 Dual Radio 802.11ac (JP) Access Point (JL064A)

Note
The transmit power data is EIRP and includes the embedded antennas. The receiver sensitivity also includes the antenna gain. Maximum power levels will vary by channel and country of operation.

IEEE 802.11ac 5GHz @ 80 MHz channel				
Data rate	MCS9—1300 Mbps	MCS0—97.5 Mbps		
Receiver sensitivity	-64.7 dBm	-91.7 dBm		
Transmit power	23.4 dBm	27.9 dBm		
IEEE 802.11n 5GHz @ 40MHz channel				
Data rate	MCS23—450 Mbps	MCS16—45 Mbps		
Receiver sensitivity	-73.7 dBm	-95.7 dBm		
Transmit power	25.4 dBm	27.9 dBm		
IEEE 802.11n 5GHz @ 20MHz channel				
Data rate	MCS23—144 Mbps	MCS16—14.4 Mbps		
Receiver sensitivity	-76.7 dBm	-98.7 dBm		
Transmit power	25.4 dBm	27.9 dBm		
IEEE 802.11n 2.4GHz @ 40MHz channel				
Data rate	MCS23—450 Mbps	MCS16—45 Mbps		
Receiver sensitivity	-72.9 dBm	-94.9 dBm		
Transmit power	26.6 dBm	28.6 dBm		
IEEE 802.11n 2.4GHz @ 20MHz channel				
Data rate	MCS23—144 Mbps	MCS16—14.4 Mbps		
Receiver sensitivity	-75.9 dBm	-97.9 dBm		
Transmit power	27.6 dBm	28.6 dBm		
IEEE 802.11a 5GHz				
Data rate	54 Mbps	6 Mbps		
Receiver sensitivity	-80.7 dBm	-97.7 dBm		
Transmit power	26.9 dBm	27.9 dBm		
IEEE 802.11b/g 2.4GHz				
Data rate	54 Mbps	6 Mbps	11 Mbps	1 Mbps
Receiver sensitivity	-79.9 dBm	-97.9 dBm	-92.9 dBm	-100.9 dBm
Transmit power	27.6 dBm	29.1 dBm	29.6 dBm	29.6 dBm

General protocols	IEEE 802.11a IEEE 802.11ac IEEE 802.11b IEEE 802.11e IEEE 802.11g	IEEE 802.11i IEEE 802.11n IEEE 802.1D Spanning Tree Protocol IEEE 802.1Q VLANs IEEE 802.1X	IEEE 802.3af Power over Ethernet IEEE 802.3at PoE+ IEEE 802.3u 100BASE-X RFC 791 IP RFC 2460 IPv6

Learn more at
hpe.com/networking

HPE access points and access devices are Wi-Fi Certified, providing our customers with the assurance that these products have met and passed the rigorous interoperability testing performed by the Wi-Fi Alliance Organization. See the Specifications section of this series for more information.

Sign up for updates

Hewlett Packard Enterprise

4AA5-7062ENN, September 2017, Rev. 3