

Overview

HPE OfficeConnect M330 802.11ac Dual Radio Access Point Series



Models

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

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

Overview

Product overview

HPE OfficeConnect M330 Dual Radio 802.11ac 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 Point provide 2 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 that includes a welcome message, placement of company logo and text message field for guest access details.

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-base 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 a 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

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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 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 8 SSIDs per radio
Allows administrator to identify multiple service sets for clients to access.
 - Up to 8 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 2 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 multivendor 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.
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- 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
This series comes with a Limited Lifetime Warranty providing advance hardware replacement with next business day shipment in most countries, 24x7 phone support available for the first 90 days, and electronic and business hours phone support for the entire warranty period. See <http://www.hpe.com/networking/warrantysummary> for full warranty and support information included with your product purchase.

Configuration

Build To Order:

BTO is a standalone unit with no integration. BTO products ship standalone are not part of a CTO or Rack-Shippable solution.

BTO Models

HPE OfficeConnect M330 Dual Radio 802.11ac (AM) Access Point <ul style="list-style-type: none">1 RJ-45 autosensing 10/100/1000 ports	JL062A See Configuration NOTE:1, 3
No Power Cord <ul style="list-style-type: none">No Localized Power Cord Selected	JL062A#AC3
HPE OfficeConnect M330 Dual Radio 802.11ac (WW) Access Point <ul style="list-style-type: none">1 RJ-45 autosensing 10/100/1000 ports	JL063A See Configuration NOTE:2, 3
No Power Cord <ul style="list-style-type: none">No Localized Power Cord Selected	JL063A#AC3
HPE OfficeConnect M330 Dual Radio 802.11ac (JP) Access Point <ul style="list-style-type: none">1 RJ-45 autosensing 10/100/1000 ports	JL064A See Configuration NOTE:3, 4

Configuration Rules:

- Note 1 Only available in AMS. (Warning in Clic only)
- Note 2 Not available in AMS or Japan. (Warning in Clic only)
- Note 3 Localization required. (See Localization Menu)
- Note 4 Only available in Japan. (Warning in Clic only)

Technical 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)
	Nonoperating/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 12V output external power adapter.
	Voltage	100 - 240 VAC, rated
	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 a 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 .89A; maximum current for PoE supplied power is .26A.
Reliability	MTBF (years)	107.53

Technical Specifications

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 Services	Command-line interface; Web browser; Snmp manager; Telnet; Https Refer to the Hewlett Packard Enterprise website at http://www.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	

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.

Technical Specifications

Data rate	MCS9 - 1300 Mbps	MCS0 - 97.5 Mbps	MCS23 - 450 Mbps	MCS16 - 45 Mbps	MCS23 - 216 Mbps	MCS16 - 21.7Mbps	MCS23 - 450 Mbps	MCS16 - 45 Mbps	MCS23 - 216 Mbps	MCS16 - 21.7 Mbps	54 Mbps
Receiver sensitivity	-65 dBm	-92 dBm	-74 dBm	-96 dBm	-77 dBm	-99 dBm	-73 dBm	-95 dBm	-76 dBm	-98 dBm	-81 dBm
Transmit power	23 dBm	28 dBm	25 dBm	28 dBm	25 dBm	28 dBm	25 dBm	25 dBm	27 dBm	28 dBm	27 dBm
Data rate	54 Mbps	11 Mbps	6 Mbps	1 Mbps							
Receiver sensitivity	-80 dBm	-93 dBm	-98 dBm	-100 dBm							
Transmit power	27 dBm	29 dBm	30 dBm	30 dBm							

Standards and Protocols

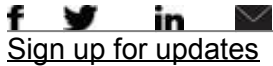
(applies to all products in series)

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

Summary of Changes

Date	Version History	Action	Description of Change
01-Aug-2016	From Version 3 to 4	Changed	Adding #AC3 Option on Configuration section Product overview updated
06-May-2016	From Version 2 to 3	Changed	Document name changed to HPE OfficeConnect M330 802.11ac Dual Radio Access Point Series. SKU descriptions updated.
01-Dec-2015	From Version 1 to 2	Changed	Overview and Technical Specifications updated



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