Overview

HPE OfficeConnect OC20 802.11ac Series Access Points

Models

HPE OfficeConnect OC20 2x2 Dual Radio 802.11ac (US) Access Point	JZ073A
HPE OfficeConnect OC20 2x2 Dual Radio 802.11ac (RW) Access Point	JZ074A

Key features

- Fast, reliable 2x2 802.11ac wireless connectivity designed for small business
- OfficeConnect Mobile app for easy and quick set up of employee and guest Wi-Fi network
- Create a network of up to eight access points, manage and monitor from mobile app, on the go
- Captive portal for secure guest access with Facebook Wi-Fi social media log-in
- Built-in application filtering categories – set guidelines to protect your business from online threats and inappropriate websites
- HPE 3-year Warranty

Product overview

HPE OfficeConnect OC20 802.11ac Series Access Points (AP) offer small businesses an intuitive and cost-effective wireless solution that is easy to set-up and manage without technical expertise. By using the OfficeConnect iOS or Android mobile application customers can get their Wi-Fi network up and running within minutes and monitor the network remotely, no matter where they might be.

The OC20 APs deliver aggregate speeds up to 1.3Gbps and reliable connectivity to handle today's business critical voice, video and cloud applications. The OfficeConnect Smart Air software intelligently optimizes wireless coverage and performance, mitigates interference and automatically connects users to the best AP for a great end-user experience. Customers can scale and centrally manage up to eight APs using clustering making ongoing network changes and maintenance a snap.

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Overview

To support highly secure visitor and guest access the OC20 APs offer a captive portal for guest with multiple authentication options including Facebook Wi-Fi social log-ins and the ability to schedule access based on specific days and times of day.

The HPE OfficeConnect OC20 wireless APs come with integrated application filtering that provides comprehensive protection against online threats and blocks inappropriate content. They also safeguard sensitive business information using Wi-Fi Protected Access 2 (WPA2) and advanced encryption. The product includes a 3-year Warranty with 24x7 phone support for 90 days.

Features and benefits

Dual Radio 802.11ac Access Point

- Supports up to 867 Mbps in the 5GHz band (with 2SS/VHT80 clients) and up to 400 Mbps in the 2.4GHz band (with 2SS/VHT40 clients).

Smart Air for RF Management

- Smart Air software automatically assigns channel and power settings, provides airtime fairness (boosts overall network performance by allowing faster clients to move quicker on the network) and ensures that APs stay clear of RF interference to deliver a reliable, high-bandwidth wireless network

Security

- Application filtering identifies, classifies, and blocks access to applications and web content to provide comprehensive protection against advanced online threats.
- WPA2 with advanced encryption keeps your network traffic secure and protects sensitive business information.

Management

- The OfficeConnect iOS or Android mobile applications allows you to set-up an employee and guest network in easy steps.
- New APs added to the network automatically get their configuration from the first AP without manual configuration; create a network of up to eight APs and manage from the OfficeConnect mobile application.
- Remotely monitor the network with a quick health dashboard that provides visibility into the status of the access points, their signal strength, connected users and web applications.

Warranty

- 3-year Warranty
  This series comes with a 3-year Warranty providing advance hardware replacement with next business day shipment in most countries, 24x7 phone support available for the first 90 days, and online chat support for the entire warranty period. See 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.

HPE OfficeConnect OC20 2x2 Dual Radio 802.11ac (US) Access Point	JZ073A See Configuration **NOTE:**1
HPE OfficeConnect OC20 2x2 Dual Radio 802.11ac (RW) Access Point	JZ074A See Configuration **NOTE:**2
HPE OfficeConnect OC20 2x2 Dual Radio 802.11ac (JP) Access Point	JZ110A See Configuration **NOTE:**3
HPE OfficeConnect OC20 2x2 Dual Radio 802.11ac (IL) Access Point	JZ111A See Configuration **NOTE:**4
HPE OfficeConnect OC20 2x2 Dual Radio 802.11ac (EG) Access Point	JZ112A See Configuration **NOTE:**5

Configuration Rules:

Note 1   Available in US only

Note 2   Available everywhere except US, Japan, Israel, and Egypt

Note 3   Available in Japan only

Note 4   Available in Israel only

Note 5   Available in Egypt only

Power Options

 Std (Min 0 // max 1) User Selection (min 0 // max 1) per AP

PD-9001GR-AC 30W 802.3at PoE+ 10/100/1000 Ethernet Indoor Rated Midspan Injector	JW629A See Configuration **NOTE:**1
PD-3501G-AC 15.4W 802.3af PoE 10/100/1000Base-T Ethernet Midspan Injector	JW627A See Configuration

Configuration

	NOTE:1
AP-AC-12V30B 12V/30W AC/DC Desktop Style 2.1/5.5/9.5mm Circular 90 Deg Plug DoE Level VI Adapter	JX990A
	See Configuration **NOTE:**1

Configuration Rules:

Note 1   If this Power Supply is selected, bring in (Min 1 // Max 1) Localized power cord based on the Aruba Localization Menu

Remarks:

       Watson Blue Note - The AP device is usually PoE powered from the switch, therefore, these Power Adapter are optional.

Accessories

AP Mount Kits
Std (Min 0 // max 99) User Selection (min 0 // max 99)

AP-220-MNT-C2 2x Ceiling Grid Rail Adapter for Interlude and Silhouette Mt Kit	JW045A
AP-220-MNT-W1 Flat Surface Wall/Ceiling Black AP Basic Flat Surface Mount Kit	JW046A
AP-220-MNT-W1W Flat Surface Wall/Ceiling White AP Basic Flat Surface Mount Kit	JW047A
AP-200-MNT-W3 AP AP-200 Series Flat Surface Mount Kit	JY705A
AP-MNT-CM1 Industrial Grade Indoor Access Point Metal Suspended Ceiling Rail Mount Kit	JX961A

Remarks:

       Watson Blue Note - OC220 AP Unit ships with basic suspended ceiling rail clips (JW044A)

Accessories
Std (Min 0 // max 99) User Selection (min 0 // max 99)

AP-CBL-ETH10 10-pk Short Ethernet Cable	JW072A

Technical Specifications

HPE OfficeConnect OC20 2x2 Dual Radio 802.11ac (US) Access Point (JZ073A)
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I/O ports and slots	• One 10/100/1000BASE-T Ethernet network interface (RJ-45)
	- Auto-sensing link speed and MDI/MDX
	- 802.3az Energy Efficient Ethernet (EEE)
	• Visual indicators (multi-color LEDs): for System and Radio status
	• Reset button: factory reset (during device power up)
	• Kensington security slot

Wi-Fi Radio Specifications

- Indoor, dual radio, 5GHz 802.11ac 2x2 MIMO and 2.4GHz 802.11n 2x2 MIMO
- Connectivity standard IEEE 802.11 a/b/g/n/ac
- Support for up to 100 associated client devices per radio
- Supported frequency bands (country-specific restrictions apply)
  - 2.400 to 2.4835GHz
  - 5.150 to 5.250GHz
  - 5.250 to 5.350GHz
  - 5.470 to 5.725GHz
  - 5.725 to 5.850GHz
- Available channels: Dependent on configured regulatory domain
- Short guard interval for 20MHz, 40MHz and 80MHz channels
- Space-time block coding (STBC) for increased range and improved reception
- Low-density parity check (LDPC) for high-efficiency error correction and increased throughput
- Transmit beam-forming (TxBF) for increased signal reliability and range
- Supported data rates (Mbps):
  - 802.11b: 1, 2, 5.5, 11
  - 802.11a/g: 6, 9, 12, 18, 24, 36, 48, 54
  - 802.11n: 6.5 to 300 (MCS0 to MCS15)
  - 802.11ac: 6.5 to 867 (MCS0 to MCS9, NSS = 1 to 2 for VHT20/40/80)

Wi-Fi Antennas

Two integrated dual-band downtilt omni-directional antennas for 2x2 MIMO with maximum antenna gain of 3.4dBi in 2.4GHz and 6.6dBi in 5GHz.

Physical characteristics

Dimensions	5.9 x 5.9 x 1.6 in (5.9 x 5.9 x 1.6 in)
Weight	0.8 lbs (380 g)

Power sources and consumption

The AP supports direct DC power and Power over Ethernet (PoE)
- When both power sources are available, DC power takes priority over PoE
- Power sources are sold separately
- Direct DC source: 12Vdc nominal, +/- 5%
- Power over Ethernet (PoE): 48 Vdc (nominal) 802.3af/802.3at compliant source
- Maximum (worst-case) power consumption: 12.3W (PoE) or 10.1W (DC)
- Maximum (worst-case) power consumption in idle mode: 5.3W (PoE) or 4.4W (DC)

Mounting

The AP ships with two (white) mounting clips to attach to a 9/16-inch or 15/16-inch flat T-bar drop-tile ceiling.
Several optional mount kits are available to attach the AP to a variety of surfaces; see the Ordering Information section above for detail.

Environment	**Operating temperature**	0° C to +50° C (+32° F to +122° F)

Technical Specifications

Operating humidity		5% to 95% non-condensing
Storage & transportation		-40° C to +70° C (-40° F to +158° F)

Regulatory

FCC/Industry of Canada
CE Marked
RED Directive 2014/53/EU
Low Voltage Directive (2014/35/EU)
EN 300 328
EN 301 489
EN 301 893
UL/IEC/EN 60950
EN 60601-1-1, EN60601-1-2

Certifications

CB Scheme Safety, cTUVus
UL2043 plenum rating
Wi-Fi Alliance (WFA) certified 802.11a/b/g/n/ac

Warranty

3-year warranty

Date	Version History	Action	Description of Change:
04-Sep-2017	From Version 1 to 2	Changed	Configuration section updated
03-Jul-2017	Version 1	Created	Document Creation

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