

HPE Networking Instant On Access Point AP22D

Installation Guide

Instant 



Hewlett Packard
Enterprise

Copyright Information

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Hewlett Packard Enterprise Company
Attn: General Counsel
WW Corporate Headquarters
1701 E Mossy Oaks Rd, Spring, TX 77389
United States of America



Contents	1
About This Guide	2
Guide Overview	2
Support Information	2
Hardware Overview	3
Package Contents	3
Hardware Overview	3
System Status LED	4
Radio Status LED	4
Ethernet Ports	5
Reset Button	6
Micro-B Console Port	6
Power options	6
Installation	9
Before You Begin	9
Identifying Specific Installation Locations	10
Software	11
Access Point Installation	11
Desk Mount	11
Single-gang Wall Box Mount	13
Verifying Post-Installation Connectivity	15
Safety and Regulatory Compliance	16
Regulatory Model Name	16
Brazil	16
Canada	16
EAC	17
European Union and United Kingdom	17
India	18
Japan	18
Medical	18
Taiwan	19
Ukraine	19
United States	19
Proper Disposal of Hewlett Packard Enterprise Equipment	21

This document describes the hardware features of the HPE Networking Instant On Access Point AP22D. It provides a detailed overview of the physical and performance characteristics of the HPE Networking Instant On Access Point AP22D and explains how to install the HPE Networking Instant On Access Point AP22D.

Guide Overview

- [Hardware Overview](#) provides a detailed hardware overview of the HPE Networking Instant On Access Point AP22D.
- [Installation](#) describes how to install the HPE Networking Instant On Access Point AP22D .
- [Safety and Regulatory Compliance](#) lists the HPE Networking Instant On Access Point AP22D's safety and regulatory compliance information.

Support Information

Table 1: *Contact Information*

Main Site	https://www.arubainstanton.com
Support Site	https://www.arubainstanton.com/contact-support
Community	https://community.arubainstanton.com

HPE Networking Instant On Access Point AP22D supports the IEEE 802.11ax WLAN standard (Wi-Fi 6), while also supporting IEEE 802.11a/b/g/n/ac wireless services.

Package Contents

Inform your supplier if there are any incorrect, missing, or damaged parts. If possible, retain the carton, including the original packing materials. Use these materials to repack and return the unit to the supplier if needed.

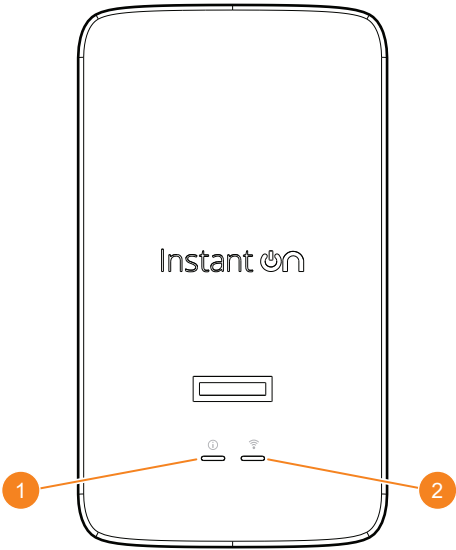
Item	Quantity
HPE Networking Instant On Access Point AP22D	1
Desk stand	1
Single-gang wall box mount bracket	1
Ethernet cable	1



If you have ordered HPE Networking Instant On Access Point AP22D bundle, the package would also include a power supply unit to power the AP through an electrical power outlet.

Hardware Overview

Figure 1 Front View



1	System Status LED
2	Radio Status LED

The system and radio status can be turn on/off by the system management software.

System Status LED

Table 2: *System Status LED*

Color/State	Meaning
No lights	Device has no power
Green- blinking ¹	Device booting, not ready
Green- solid	Device ready, fully functional, no network restrictions
Green/Amber - alternating ²	Device is ready for configurations
Amber- solid	Device has detected a problem
Red- solid	Device has an issue - immediate action required

1. Blinking: one second on, one second off, 2 seconds cycle.

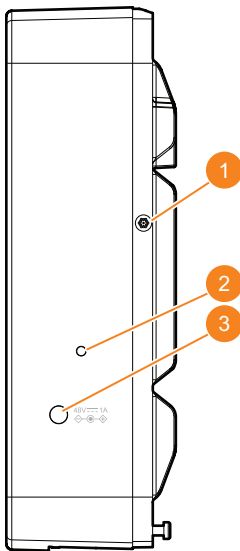
2. Alternating: one second each color, 2 second cycle.

Radio Status LED

Table 3: *Radio Status LED*

Color/State	Meaning
No lights	Wi-Fi is not ready, wireless clients cannot connect.
Green - solid	Wi-Fi is ready, wireless clients can connect.

Figure 2 *Side View*



1	Security Screw Hole
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2	Reset
3	DC Power Port

Figure 3 Rear View

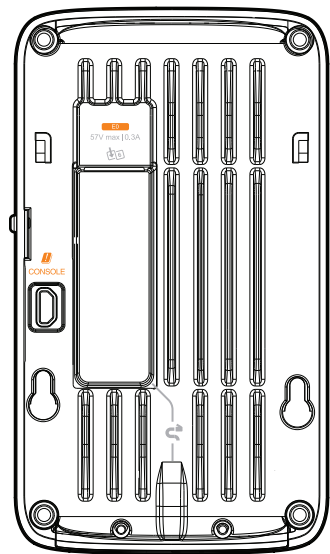
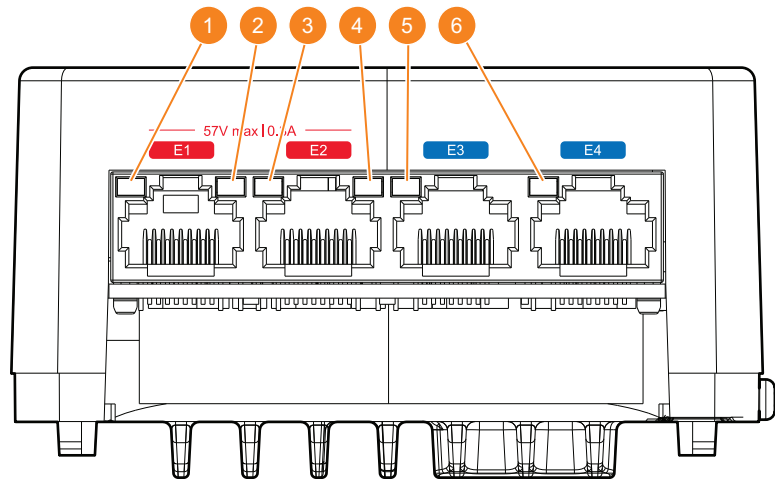


Figure 4 Bottom View



1	Network Status LED on E1
2	Network Status LED on E1 for PoE
3	Network Status LED on E2
4	Network Status LED on E2 for PoE
5	Network Status LED on E3
6	Network Status LED on E4

Ethernet Ports

The HPE Networking Instant On Access Point AP22D is equipped with five Ethernet ports E0 to E4. The E0 port is 100/1000/2500 Base-T, auto-sensing MDI/MDX, which supports uplink connectivity when linked by an Ethernet cable. The access points support downlink network connectivity through E1-E4 Ethernet ports. The ports are 10/100/1000Base-T auto-sensing MDI/MDX. Ports E1 and E2 have power sourcing capability (PSE) to supply power to any compliant 802.3af (class 0-3) or 802.3at (class 4) PD device.

Network Status LEDs

The Network Status LEDs, located on the sides of the E1-E4 ports, indicates activity transmitted to/from the wired ports.

Table 4: *Network Status LEDs*

Color/State	Meaning
Off	Meets one of the following conditions: ▪ Device is powered off ▪ Port is disabled ▪ No link/activity
Green - solid	Link established at max speed (1Gbps)
Green - blinking ¹	Activity detected across a max speed link
Amber - solid	Link established at reduced speed (10/100Mbps)
Amber - blinking	Activity detected across a reduced speed link

1. Blinking: one second on, one second off, 2 seconds cycle.

Reset Button

The reset button located on the side of the AP can be used to reset the access point to factory default settings or turn off/on the LED display.

There are two ways to reset the access point to factory default settings:

- To reset the AP during normal operation, press and hold down the reset button using a small, narrow object such as a paper clip for more than 10 seconds during normal operation.
- To reset the AP while powering up, follow these steps:
 1. Press and hold down the reset button using a small, narrow object such as a paper clip while the access point is not powered on (either via DC power or PoE).
 2. Connect the power supply (DC or PoE) to the access point while the reset button is being held down.
 3. Release the reset button on the access point after 15 seconds.

Micro-B Console Port

The Micro-B console port is located on the back of this device. Use the proprietary AP-CBL-SERU cable for direct management of this device when connected to a laptop or serial console (a standard USB cable cannot be used for this interface).

Power options

DC Power Port

A power adapter is available in the box if you buy the HPE Networking Instant On Access Point AP22D bundle. To purchase the power adapter separately, refer to the HPE Networking Instant On Access Point AP22D ordering guide.

PoE

When both PoE and DC power sources are available, the DC power source has priority over any PoE supplied to E0.

Table 5: Power Source, Available Features and PSE Operation

Power Port	Power Source	Spec	Features Enabled	PSE Operation	
				E1	E2
DC	AC Power Adapter	48V 50W	No restrictions, all features enabled	802.3af	802.3af
				802.3at	no PSE
E0	PoE	802.3bt Class 6	No restrictions, all features enabled	802.3af	802.3af
				802.3at	no PSE
		802.3at Class 4	E0 operates at 1 Gbps	no PSE	no PSE
			E1 and E2 PSE disabled by default		
			E1 can be enabled at lower power limit	10W	no PSE
		802.3af Class 3	E0 operates at 1 Gbps	no PSE	no PSE
			E2 to E4 disabled		
			E1 and E2 PSE disabled		

Table 6: Power Source, Available Features and PSE Operation Class

Power Port	Power Source	Spec	Features Enabled	PSE Operation Class	
				E1	E2
DC	AC Power Adapter	48V 50W	No restrictions, all features enabled	3	3
				4	no PSE

Power Port	Power Source	Spec	Features Enabled	PSE Operation Class	
				E1	E2
E0	PoE	802.3bt Class 6	No restrictions, all features enabled	3	3
				4	no PSE
		802.3at Class 4	E0 operates at 1 Gbps	no PSE	no PSE
			E1 and E2 PSE disabled by default		
			E1 can be enabled at lower power limit	1 or 2	no PSE
		802.3af Class 3	E0 operates at 1 Gbps	no PSE	no PSE
			E2 to E4 disabled		
			E1 and E2 PSE disabled		



All Hewlett Packard Enterprise access points should be professionally installed by a professional installer. The installer is responsible for ensuring that grounding is available and meets applicable national and electrical codes. Failure to properly install this product may result in physical injury and/or damage to property.

Tous les points d'accès Hewlett Packard Enterprise doivent impérativement être installés par un professionnel agréé. Ce dernier doit s'assurer que l'appareil est mis à la terre et que le circuit de mise à la terre est conforme aux codes électriques nationaux en vigueur. Le fait de ne pas installer correctement ce produit peut entraîner des blessures corporelles et / ou des dommages matériels.



Use of accessories, transducers and cables other than those specified or provided by the manufacturer of this equipment could result in increased electromagnetic emissions or decreased electromagnetic immunity of this equipment and result in improper operation.



For indoor use only. The access point, AC adapter, and all connected cables are not to be installed outdoors. This stationary device is intended for stationary use in partly temperature controlled weather-protected environments (class 3.2 per ETSI 300 019).

Before You Begin

Refer to the sections below before beginning the installation process.



FCC Statement: Improper termination of access points installed in the United States configured to non-US model controllers will be in violation of the FCC grant of equipment authorization. Any such willful or intentional violation may result in a requirement by the FCC for immediate termination of operation and may be subject to forfeiture (47 CFR 1.80).

Pre-Installation Checklist

Before installing the access point, be sure that you have the following (not included with the AP):

- A mount kit compatible with the AP and mount surface
- One or two Cat5E or better UTP cables with network access

Some optional items:

- A compatible power adapter with power cord
- A compatible PoE midspan injector with power cord
- An AP-CBL-SERU console cable
- An AP-MOD-SERU console module

Refer to the HPE Networking Instant On Access Point AP22D data sheet for compatible items, quantities needed, etc.

Identifying Specific Installation Locations



The HPE Networking Instant On Access Point AP22D is designed in compliance with governmental requirements, so that only authorized network administrators can change configuration settings. For more information about AP configuration, refer to the Instant On User Guide.



Use of this equipment adjacent to or stacked with other equipment should be avoided because it could result in improper operation. If such use is necessary, this equipment and the other equipment should be observed to verify that they are operating normally.

Use the access point placement map generated by Hewlett Packard Enterprise RF Plan software application to determine the proper installation location(s). Each location should be as close as possible to the center of the intended coverage area and should be free from obstructions or obvious sources of interference. These RF absorbers/reflectors/interference sources will impact RF propagation and should be accounted for during the planning phase and adjusted for in RF plan.

Identifying Known RF Absorbers/Reflectors/Interference Sources

Identifying known RF absorbers, reflectors, and interference sources while in the field during the installation phase is critical. Make sure that these sources are taken into consideration when you attach an access point to its fixed location.

RF absorbers include:

- Cement/concrete—Old concrete has high levels of water dissipation, which dries out the concrete, allowing for potential RF propagation. New concrete has high levels of water concentration in the concrete, blocking RF signals.
- Natural Items—Fish tanks, water fountains, ponds, and trees
- Brick

RF reflectors include:

- Metal Objects—Metal pans between floors, rebar, fire doors, air conditioning/heating ducts, mesh windows, blinds, chain link fences (depending on aperture size), refrigerators, racks, shelves, and filing cabinets.
- Do not place an access point between two air conditioning/heating ducts. Make sure that access points are placed below ducts to avoid RF disturbances.

RF interference sources include:

- Microwave ovens and other 2.4 or 5 GHz objects (such as cordless phones)
- Cordless headset such as those used in call centers or lunch rooms



Portable RF communications equipment (including peripherals such as antenna cables and external antennas) should be used no closer than 30 cm (12 inches) to any part of the access point. Otherwise, degradation of the performance of this equipment could result.

Software

For instructions on initial setup and software configuration, refer to the Instant On User Guide at <https://www.arubanetworks.com/techdocs/ArubaDocPortal/content/cons-instanton-home.htm>.

Access Point Installation



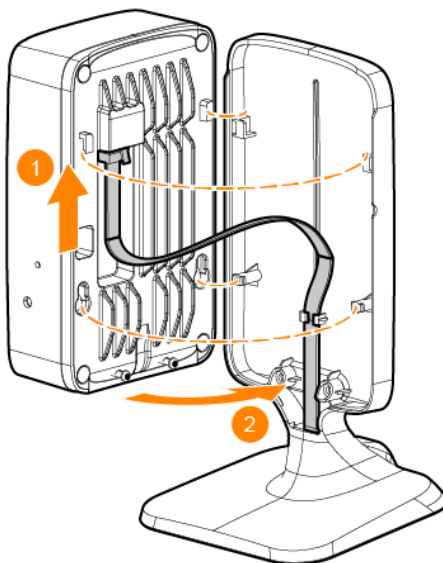
For indoor use only. The access point, power adapter, and all connected cables are not to be installed outdoors. This stationary device is intended for stationary use in partly temperature controlled weather-protected environments (class 3.2 per ETSI 300 019).

Desk Mount

To install the HPE Networking Instant On Access Point AP22D to the included desk stand, follow these steps:

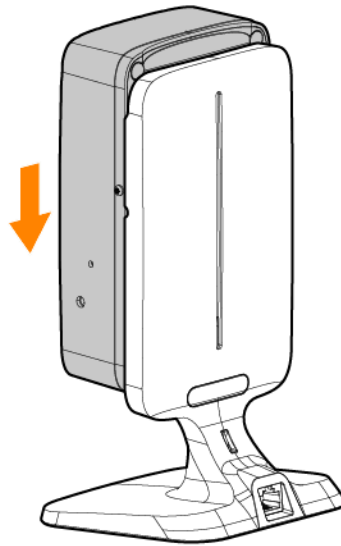
1. Insert the Ethernet jumper cable to the E0 port on the back of the access point. This Ethernet jumper cable is pre-installed on the desk stand.

Figure 5 *Installing Access Point to desk stand*



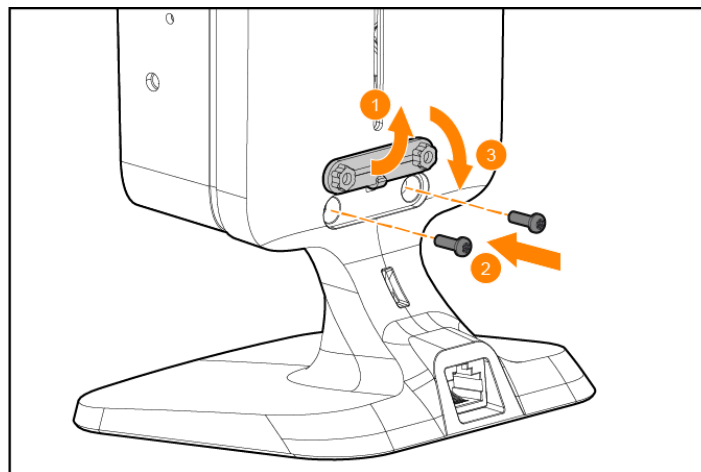
2. Align the keyholes on the back of the access point to the corresponding posts on the inside of the desk stand. Press the access point into the desk stand, then slide the access point down until the posts engage with the keyholes.

Figure 6 *Attaching Access Point onto desk stand*



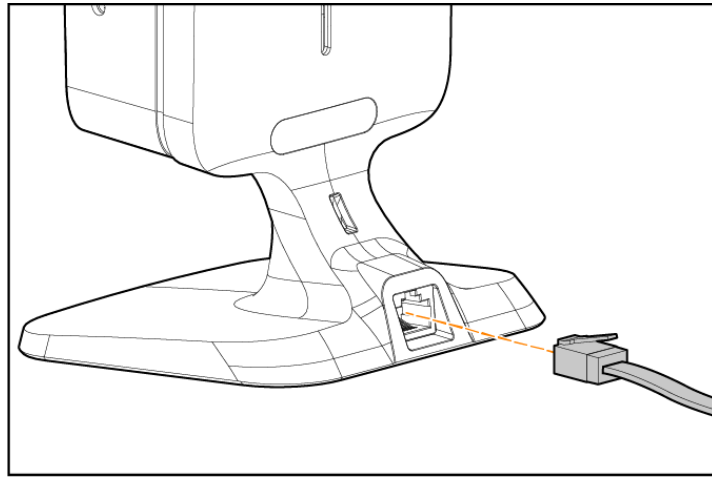
3. Once the access point is attached to the desk stand, lift the cap on the back of the desk stand, insert and tighten the two screws into the holes, then put the cap back on.

Figure 7 *Securing Access Point on desk stand*



4. Connect the Ethernet cable to the Ethernet port on the desk stand.

Figure 8 *Connecting Ethernet Cable*

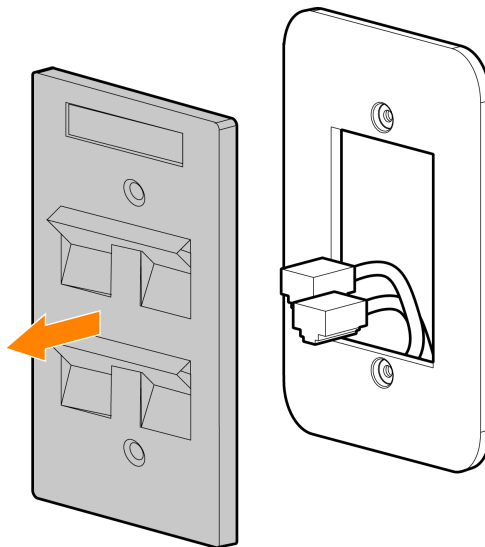


Single-gang Wall Box Mount

You can use the included single-gang wall box mount bracket to mount the HPE Networking Instant On Access Point AP22D to a single-gang wall box.

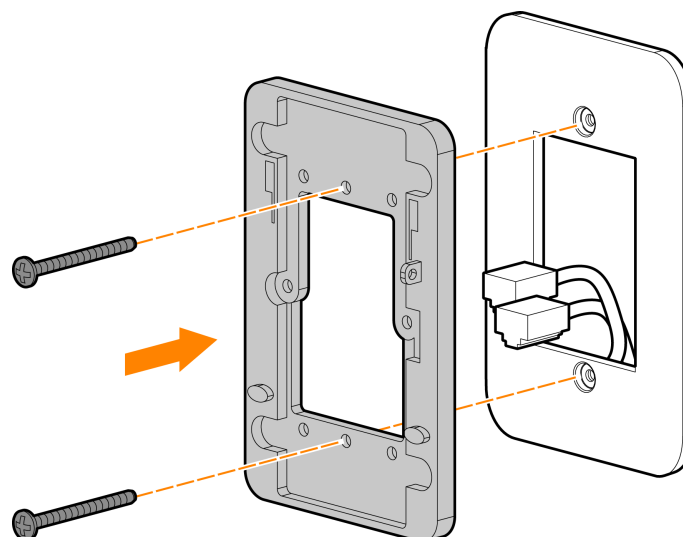
1. If the wall box is not already exposed, unscrew and remove the existing wall plate.

Figure 9 *Removing Existing Wall Plate*



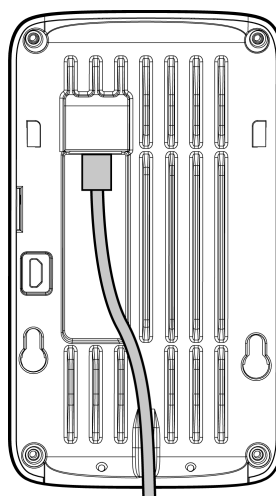
2. If needed, detach any RJ45 cables by unclipping the connectors from the wall plate.
3. Align the screw holes on the mount bracket with the corresponding holes on the single gang wall box.
4. Screw the mount bracket onto the wall box using the #6-32x1 Phillip screws.

Figure 10 *Attaching Mount Bracket to Single Gang Wall Box*



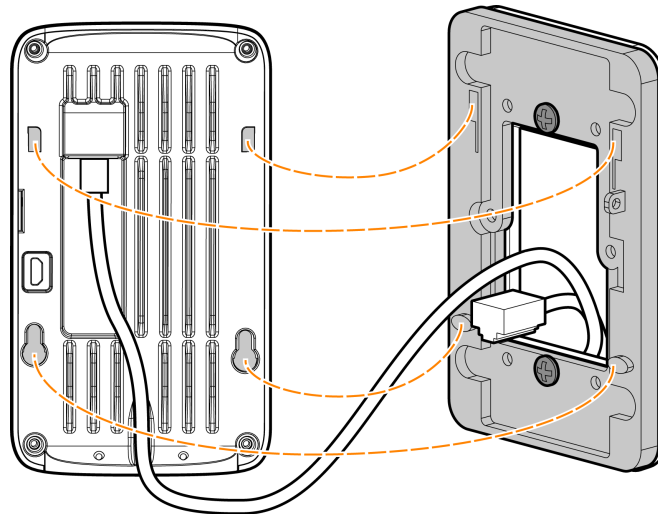
5. Attach an active Ethernet cable to the E0 port located on the back of the access point. Make sure the Ethernet cable is in the groove on the back of the access point.

Figure 11 *Routing Ethernet Cable*



6. Align the slots on the back of the access point against the guide posts and slots on the mount bracket, then slide the access point down.

Figure 12 *Aligning Slots on Access Point with Mount Bracket*



7. Once the access point is attached to the mount bracket, insert and fasten the security screw on the right side of the access point.

Verifying Post-Installation Connectivity

The integrated LED on the access point can be used to verify that the access point access point is receiving power and initializing successfully .

This chapter provides an overview of the HPE Networking Instant On Access Point AP22D safety and regulatory compliance information.

Regulatory Model Name

For the purpose of regulatory compliance certifications and identification, this product has been assigned a unique regulatory model number (RMN). The regulatory model number can be found on the product nameplate label, along with all required approval markings and information. When requesting compliance information for this product, always refer to this regulatory model number. The regulatory model number RMN is not the marketing name or model number of the product.

The regulatory model name for the HPE Networking Instant On Access Point AP22D:

- AP22D RMN: APINH505

Brazil

Este equipamento não tem direito à proteção contra interferência prejudicial e não pode causar interferência em sistemas devidamente autorizados.

Para mais informações, consulte o site da Anatel: <https://www.gov.br/anatel/pt-br>

Canada

Innovation, Science and Economic Development Canada

This Class B digital apparatus meets all of the requirements of the Canadian Interference-Causing Equipment Regulations.

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation of this device is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation.

When operated in the 5.15 to 5.25 GHz frequency range, this device is restricted to indoor use to reduce the potential for harmful interference with co-channel Mobile Satellite Systems.



Operation shall be limited to indoor use only.

Innovation, Sciences et Développement économique Canada

Cet appareil numérique de Classe B répond à toutes les exigences de la réglementation canadienne sur le matériel brouilleur.

Cet appareil contient des émetteurs / récepteurs exemptés de licence qui sont conformes aux RSS exempts de licence d'Innovation, Sciences et Développement économique Canada. Son fonctionnement est soumis aux deux conditions suivantes: (1) ce périphérique ne doit pas provoquer d'interférences, et (2) ce périphérique doit accepter toute interférence, y compris les interférences susceptibles de provoquer un dysfonctionnement.

Pour un fonctionnement dans la bande de fréquences comprises entre 5,15 et 5,25 GHz, son utilisation est limitée à un environnement intérieur afin de réduire la possibilité d'interférences nuisibles avec les systèmes mobiles par satellite opérant sur le même canal.



Le fonctionnement est restreint à une utilisation à l'intérieur seulement.

EAC

Нормативные требования Евразийского Экономического Союза

ТОО «Хьюлетт-Паккард (К)», Республика Казахстан, 050040, г. Алматы, Бостандыкский район, проспект Аль-Фараби, 77/7, Телефон/факс: + 7 727 355 35 50

ЖШС «Хьюлетт-Паккард (К)», Қазақстан Республикасы, 050040, Алматы к., Бостандық ауданы, Әл-Фараби даңғылы, 77/7, Телефон/факс: +7 727 355 35 50



European Union and United Kingdom

The Declaration of Conformity made under Radio Equipment Directive 2014/53/EU as well as the United Kingdom's Radio Equipment Regulations 2017/UK is available for viewing below. Select the document that corresponds to your device's model number as it is indicated on the product label.

[EU & UK Declaration of Conformity](#)

Compliance is only assured if the Hewlett Packard Enterprise approved accessories as listed in the HPE Networking Instant On Access Point AP22D data sheet are used.

This device is limited for indoor use. Use in trains with metal-coated windows (or similar structures made of materials with comparable attenuation characteristic) and aircraft is permitted.

Wireless Channel Restrictions

5150-5350MHz band is limited to indoor only in the following countries; Austria (AT), Belgium (BE), Bulgaria (BG), Croatia (HR), Cyprus (CY), Czech Republic (CZ), Denmark (DK), Estonia (EE), Finland (FI), France (FR), Germany (DE), Greece (GR), Hungary (HU), Iceland (IS), Ireland (IE), Italy (IT), Latvia (LV), Liechtenstein (LI), Lithuania (LT), Luxembourg (LU), Malta (MT), Netherlands (NL), Norway (NO), Poland (PL), Portugal (PT), Romania (RO), Slovakia (SK), Slovenia (SL), Spain (ES), Sweden (SE), Switzerland (CH), Turkey (TR), United Kingdom (UK (NI)).

Radio	Frequency Range MHz	Max EIRP
Wi-Fi	2412-2472	20 dBm
	5150-5250	23 dBm
	5250-5350	23 dBm
	5470-5725	30 dBm
	5725-5850	14 dBm



EU & UK Regulatory Contact:

HPE, Postfach 0001, 1122 Wien, Austria

India

This product conforms to the relevant Essential Requirements of TEC, Department of Telecommunications, Ministry of Communications, Govt of India, New Delhi-110001

Japan

この装置は、クラスB機器です。この装置は、住宅環境で使用することを目的としていますが、この装置がラジオやテレビジョン受信機に近接して使用されると、受信障害を引き起こすことがあります。

取扱説明書に従って正しい取り扱いをして下さい。

VCCI — B

Medical

1. Equipment not suitable for use in the presence of flammable mixtures.
2. Connect to only IEC 62368-1 or IEC 60601-1 certified products and power sources. The end user is responsible for the resulting medical system complies with the requirements of IEC 60601-1.
3. Wipe with a dry cloth, no additional maintenance required.
4. No serviceable parts, the unit must be sent back to the manufacturer for repair.
5. No modifications are allowed without approval from Hewlett Packard Enterprise.



Use of this equipment adjacent to or stacked with other equipment should be avoided because it could result in improper operation. If such use is necessary, this equipment and the other equipment should be observed to verify that they are operating normally.

Use of accessories, transducers and cables other than those specified or provided by the manufacturer of this equipment could result in increased electromagnetic emissions or decreased electromagnetic immunity of this equipment and result in improper operation.

Portable RF communications equipment (including peripherals such as antenna cables and external antennas) should be used no closer than 30 cm (12 inches) to any part of the access point. Otherwise, degradation of the performance of this equipment could result.



This device is intended for indoor use in professional healthcare facilities.

This device has no IEC/EN60601-1-2 essential performance.

Compliance is based on the use of Hewlett Packard Enterprise approved accessories. Refer to the HPE Networking Instant On Access Point AP22D data sheet.

Taiwan

第十二條

經型式認證合格之低功率射頻電機，非經許可，公司，商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。

第十四條

低功率射頻電機之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。

前項合法通信，指依電信法規定作業之無線電通信。低功率射頻電機須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。

1.應避免影響附近雷達系統之操作。

2.高增益指向性天線只得應用於固定式點對點系統

3.電波功率密度 MPE 標準值 1 mW/cm², 送測產品實測值為 : 0.552mW/cm² 建議使用時設備天線至少距離人體 20 公分

報驗義務人(Applicant): 慧與科技股份有限公司

地址(Address): 11568 台北市南港區經貿二路66號10樓之1

電話(TEL): (02) 2652-8700

Ukraine

Hereby, Hewlett Packard Enterprise declares that the radio equipment type [The Regulatory Model Number [RMN] for this device can be found in the Regulatory Model Name section of this document] is in compliance with Ukrainian Technical Regulation on Radio Equipment, approved by resolution of the CABINET OF MINISTERS OF UKRAINE dated May 24, 2017, No. 355. The full text of the UA declaration of conformity is available at the following internet address: <https://certificates.ext.hpe.com/public/certificates.html>.

Х'ЮЛЕТТ ПАКАРД ЕНТЕРПРАЙЗ, 6280 АМЕРИКА ЦЕНТР Д-Р, САН-ХОСЕ, КАЛІФОРНІЯ 95002, США

United States

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the manufacturer's instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try

to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio or TV technician for help.

Improper termination of access points installed in the United States configured to a non-US model controller is a violation of the FCC grant of equipment authorization. Any such willful or intentional violation may result in a requirement by the FCC for immediate termination of operation and may be subject to forfeiture (47 CFR 1.80).

The network administrator(s) is/are responsible for ensuring that this device operates in accordance with local/regional laws of the host domain.



RF Radiation Exposure Statement: This equipment complies with RF radiation exposure limits. This equipment should be installed and operated with a minimum distance of 7.87 inches (20cm) between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Déclaration de la concernant l'exposition aux rayonnements à fréquence radioélectrique (FR):
Cet appareil est conforme aux limites d'exposition aux rayonnements FR établies. Il doit être installé et utilisé à une distance minimale de 20 cm (7,87 pouces) entre le radiateur et votre corps. Cet émetteur ne doit pas être installé ou utilisé à proximité immédiate d'une autre antenne ni d'un autre transmetteur.



Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

Toute modification effectuée sur cet équipement sans l'autorisation expresse de la partie responsable de la conformité est susceptible d'annuler son droit d'utilisation.

Proper Disposal of Hewlett Packard Enterprise Equipment

Hewlett Packard Enterprise equipment complies with countries' national laws for proper disposal and electronic waste management.

Waste of Electrical and Electronic Equipment



Hewlett Packard Enterprise products at end of life are subject to separate collection and treatment in the EU Member States, Norway, and Switzerland and therefore are marked with the symbol shown at the left (crossed-out wheeled bin). The treatment applied at end of life of these products in these countries shall comply with the applicable national laws of countries implementing Directive 2012/19/EU on Waste of Electrical and Electronic Equipment (WEEE).

European Union RoHS



Hewlett Packard Enterprise, a Hewlett Packard Enterprise company products also comply with the EU Restriction of Hazardous Substances Directive 2011/65/EU (RoHS). EU RoHS restricts the use of specific hazardous materials in the manufacture of electrical and electronic equipment. Specifically, restricted materials under the RoHS Directive are Lead (including Solder used in printed circuit assemblies), Cadmium, Mercury, Hexavalent Chromium, and Bromine. Some Aruba products are subject to the exemptions listed in RoHS Directive Annex 7 (Lead in solder used in printed circuit assemblies). Products and packaging will be marked with the "RoHS" label shown at the left indicating conformance to this Directive.

India RoHS

This product complies with RoHS requirements as prescribed by E-Waste (Management & Handling) Rules, governed by the Ministry of Environment & Forests, Government of India.

产品中有害物质的名称及含量
根据中国《电器电子产品有害物质限制使用管理办法》

部件名称	禁用物质及其化学符号					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr(VI))	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
电池	○	○	○	○	○	○
传输线和网路线	○	○	○	○	○	○
断路器	X	○	○	○	○	○
冷却 & 加热系统	○	○	○	○	○	○
磁盘控制器	X	○	○	○	○	○
外部机箱	X	○	○	○	○	○
风扇	○	○	○	○	○	○
液晶显示器	X	○	○	○	○	○
硬盘 (HDD)	X	○	○	○	○	○
液压/气压系统	○	○	○	○	○	○
键盘	○	○	○	○	○	○
介质 (CD/DVD/光盘驱动器)	○	○	○	○	○	○
记忆体	○	○	○	○	○	○
鼠标	○	○	○	○	○	○
其他机械组装设备	X	○	○	○	○	○
电源/电源适配器	X	○	○	○	○	○
印刷电路组件 (PCAs)	X	○	○	○	○	○
天线	X	○	○	○	○	○

本表格依据 SJ/T 11364 的规定编制

○: 表示该有害物质在该部件所有均质材料中的含量均在 GB/T 26572 规定的限量要求以下

X: 表示该有害物质至少在该部件的某一均质材料中的含量超出 GB/T 26572 规定的限量要求

此表中所有名称中含“X”的部件均符合欧盟 RoHS 立法

注: 环保使用期限的参考标识取决于产品正常工作的温度和湿度等条件



除非另有标明，此电子电器产品有害物质限制使用 (EPUP)
 标签适用于所有慧与公司服务器、网络、存储设备

Taiwan RoHS

Taiwan RoHS Hazardous Substances table

台灣限用物質含有情況標示

單元	限用物質及其化學符號					
	鉛 (Pb)	汞 (Hg)	鎘 (Cd)	六價鉻 (Cr ⁺⁶)	多溴聯苯 (PBB)	多溴二苯醚 (PBDE)
傳輸線和線材	○	○	○	○	○	○
外殼	—	○	○	○	○	○
記憶體	○	○	○	○	○	○
其他機械組裝設備	—	○	○	○	○	○
印刷電路零組件 (PCAs)	—	○	○	○	○	○
斷路器 (選配)	—	○	○	○	○	○
冷卻及加熱系統(選配)	○	○	○	○	○	○
風扇(選配)	○	○	○	○	○	○
存取裝置(HDD) (選配)	—	○	○	○	○	○
讀寫元件 (CD/DVD/ 磁碟機) (選配)	—	○	○	○	○	○
變壓器/電源供應器(選配)	—	○	○	○	○	○
備考1. “○” 係指該項限用物質之百分比含量未超出百分比含量基準值。						
備考2. “—” 係指該項限用物質為排除項目。						

選配單元使用於特定產品型號，詳細規格請參照產品說明書。

Turkey RoHS material content declaration

Türkiye Cumhuriyeti: AEEE Yönetmeliğine Uygundur