Features

PRODUCT KITS

HP Presence Small Space Solution with Zoom Rooms Kit

HP Presence Small Space Solution Plus AI Camera with Zoom Rooms Kit

HP Presence Small Space Solution Plus AI Video Bar with Zoom Rooms Kit

HP Presence Medium Space Solution with Zoom Rooms Kit

HP Presence Medium Space Solution Plus AI Camera with Zoom Rooms Kit

HP Presence Medium to Large Space Solution Plus AI Camera/Mics with Zoom Rooms

HP Presence Large Space Solution with Zoom Rooms Kit

Not all configuration components are available in all regions/countries.

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Page 1

QuickSpecs

Features

HP Presence Mini Conferencing PC

Front

1. Type-C® SuperSpeed USB 10Gbps signaling rate port (charge support up to 5V/3A)

2. Type-A SuperSpeed USB 10Gbps signaling rate port

3. Type-A SuperSpeed USB 5Gbps signaling rate port (charge support up to 5V/2.1A)

4. 3.5mm Jack

5. Dual-state power button

6. Hard drive activity light

Not all configuration components are available in all regions/countries.
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QuickSpecs

HP Presence Meeting Space Solutions with Zoom Rooms

Features

HP Presence Mini Conferencing PC
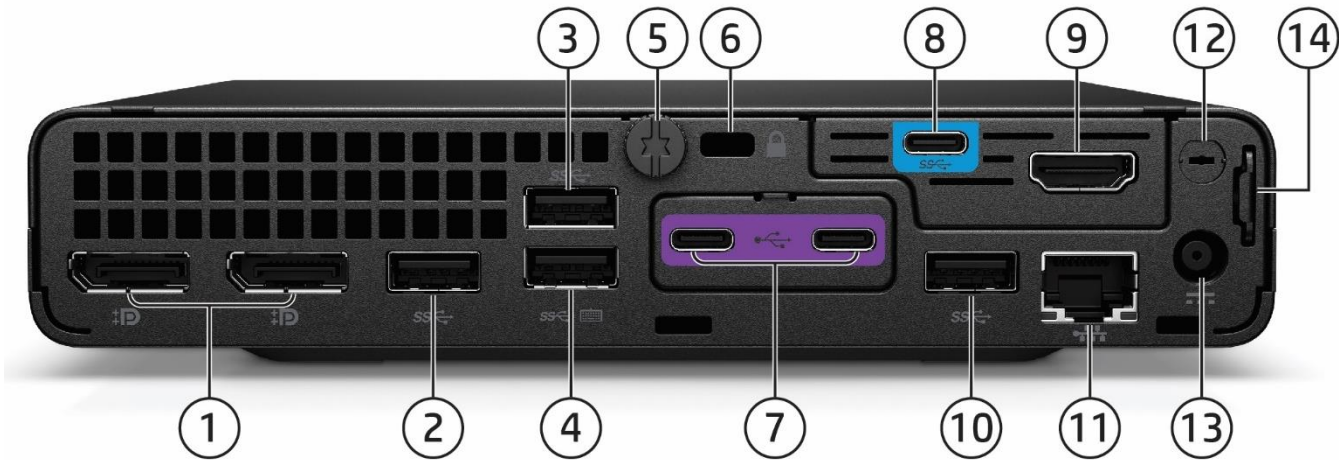
Rear

1. (2) Dual-Mode DisplayPort™ 1.4 (DP++)

2. Type-A SuperSpeed USB 5Gbps signaling rate port

3. Type-A SuperSpeed USB 5Gbps signaling rate port (Supporting wake from S4/S5 with keyboard/mouse connected and enabled in BIOS)

4. Type-A SuperSpeed USB 10Gbps signaling rate port (Supporting wake from S4/S5 with keyboard/mouse connected and enabled in BIOS)

5. Cover release thumbscrew

6. Standard cable lock slot (10 mm)

7. Dual HP Presence Control Ports

8. SuperSpeed Type-C™ USB 5Gbps signaling rate (or 1 HP Presence See Camera or HP Presence Audio Visual Bar Primary)

9. HDMI 2.0a Port for Hi-Res Sharing/Guest mode thru the Multi-Port Adapter

10. Type-A SuperSpeed USB 10Gbps signaling rate port

11. RJ45 network connector

12. External WLAN antenna opening

13. Power connector
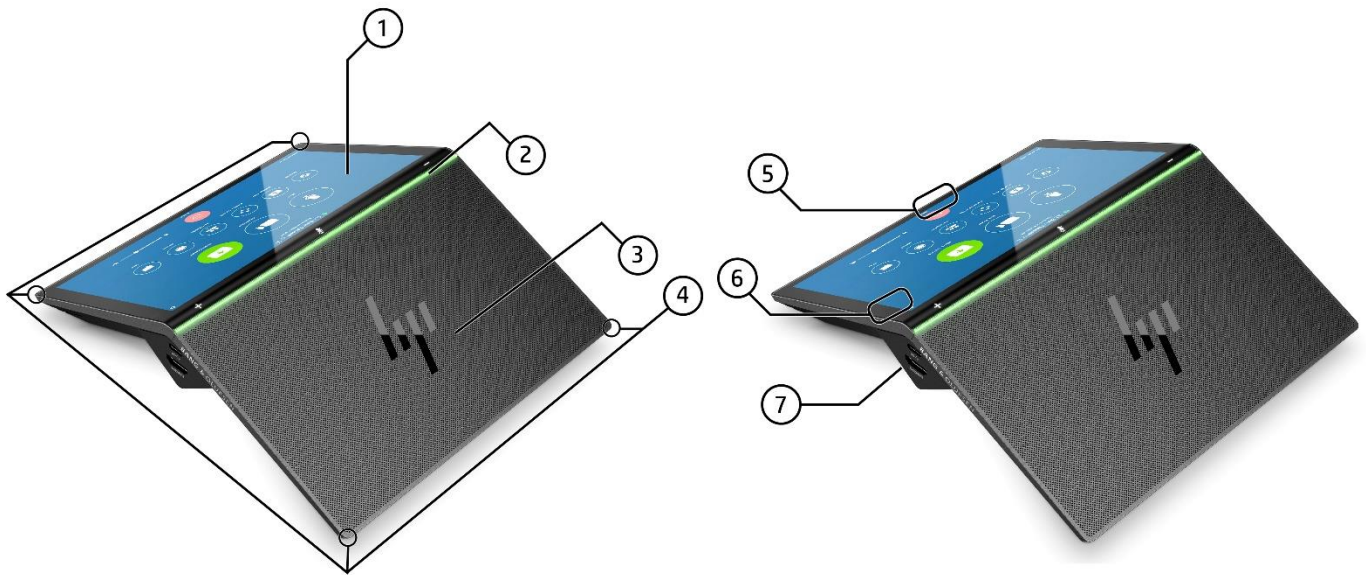
14. Retractable Padlock loop

Not Shown

Slots	(1) Internal M.2 2230 connector for WLAN
	(2) Internal M.2 SSD storage 2242 and 2280 connector
Mounting	Support for
	- VESA Sleeve with PS adapter
	- Quick Release Bracket

Not all configuration components are available in all regions/countries.
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QuickSpecs

Features

HP Presence Control/No Audio Control Center

Top view items

1. Screen
2. LED Room Status light
3. Speakers
4. Microphones (4)[1]

5. People in Room (PIR) Sensor (located under belly)
6. Ambient Light Sensor (ALS) light sensor
7. Temp sensor (imbedded under belly)

1. No Audio Control microphones disabled

HP Presence Control/No Audio Control Center

Under view ports

1. USB-A Port - SuperSpeed USB 5Gbps signaling rate
2. HP Presence Control Port
3. Device Power Port
4. HP Presence Multi-Port Adapter Port
5. Cable Management pins

Side Video (only) Input Ports

6. USB-C®[1]
7. HDMI 2.0a

1 Only Alt-Displayport USB-C cables are supported. No adapters are supported

Not all configuration components are available in all regions/countries.

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Features

HP Presence Control Plus Center

Top items

1. Screen
2. LED Room Status light
3. Speakers
4. Microphones (4)

5. People in Room (PIR) Sensor (located under belly)
6. Ambient Light Sensor (ALS) light sensor
7. Temp sensor (imbedded under belly)

Not all configuration components are available in all regions/countries.
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Features

HP Presence Control/No Audio Control Center

Under view ports

1. RJ11 Ports – for HP Presence Talk Satellite Microphones (2)
2. USB-A Port - SuperSpeed USB 5Gbps signaling rate
3. Device Power Port
4. HP Presence Control Port
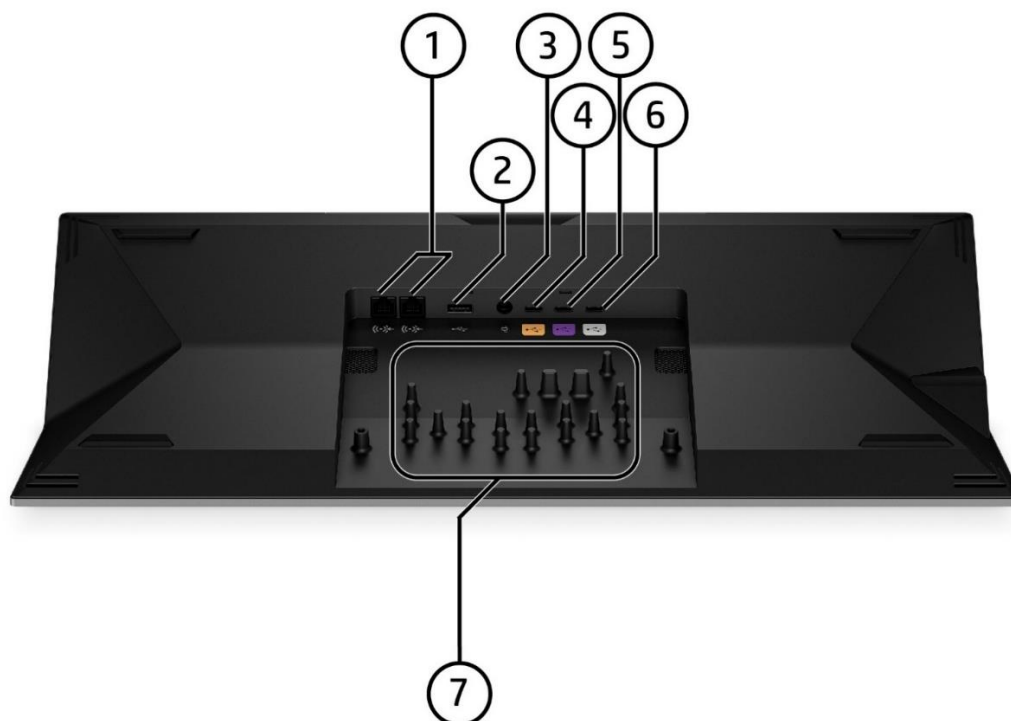
5. HP Presence Control Center Daisy Chain Port
6. HP Multi-Port Adapter Port
7. Cable Management pins

Side Input Ports

1. USB-C®
2. HDMI 2.0a

Not all configuration components are available in all regions/countries.
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Features

HP Presence Hub (Optional with Control or No Audio Control Center) –TBD
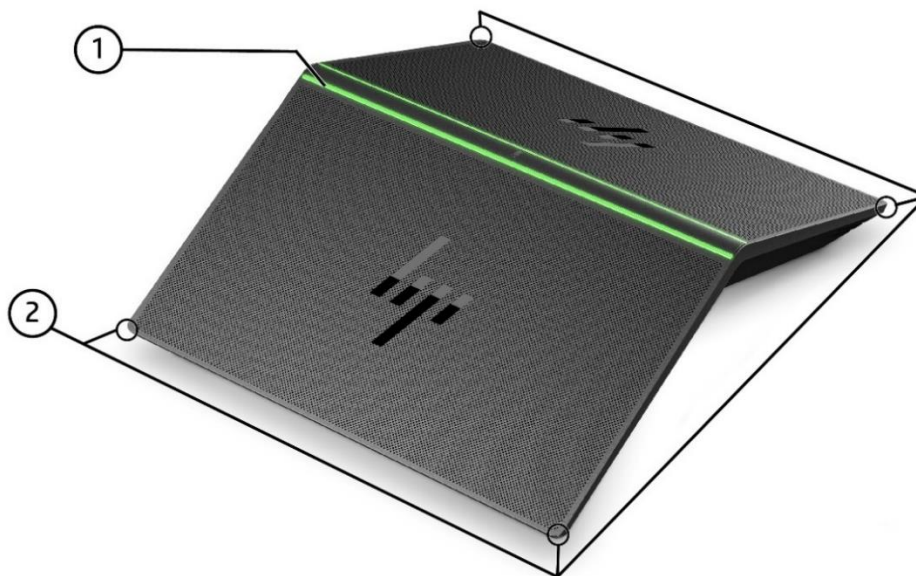
Top view items

1. LED Status light
2. Microphone (4)[1]

1. Disabled

Under view ports

1. RJ11 Ports – for HP Presence Talk Satellite Microphones (2)	4. Purple Port - HP Presence Control Center Daisy Chain Port
2. Power Plug – For power connection	5. White Port - TBD
3. Orange Port – HP Presence Control Port	

Not all configuration components are available in all regions/countries.

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QuickSpecs

Features

HP Presence Audio Video Bar (Optional)
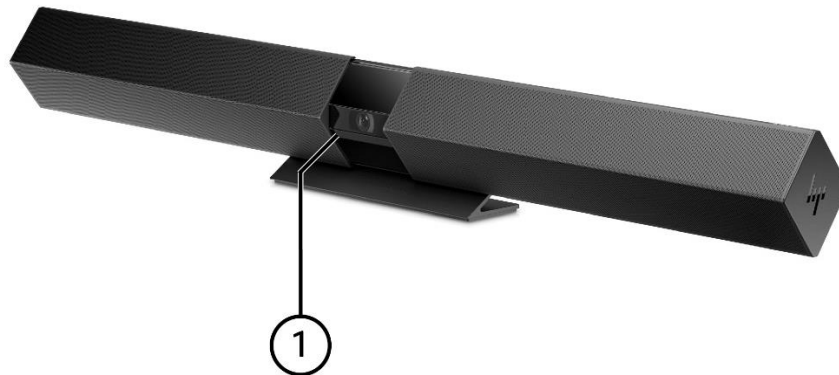
1. Camera

HP Presence Audio Video Bar Ports (Rear View)

1. USB-C® Power Port
2. USB-C® Data Port (blue)

QuickSpecs

Features

HP Presence See 4K AI Camera (Optional)

1. Camera
2. Activity light

Under view port

1. USB-C® Port connector

QuickSpecs

Features

AT A GLANCE

- Full HP Meeting Zoom Rooms solution with compute and center with different HP conferencing devices
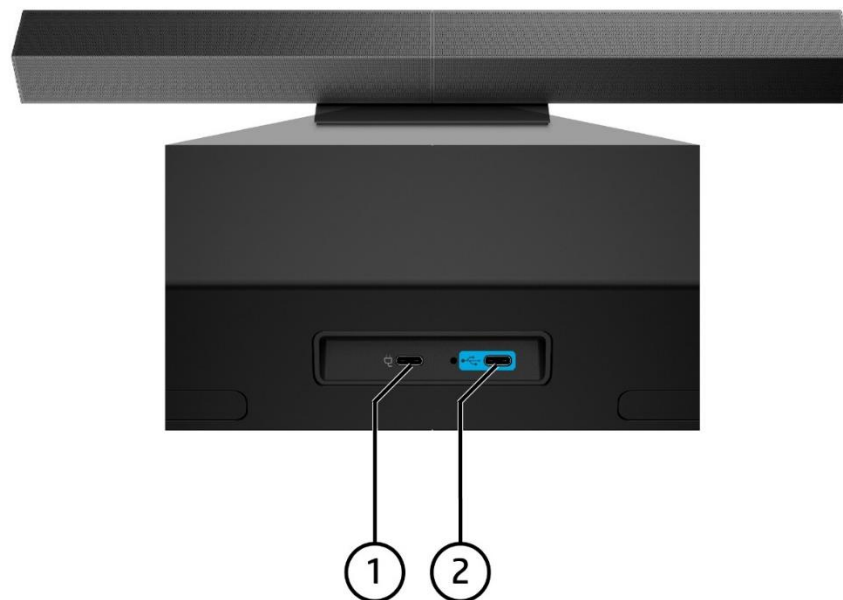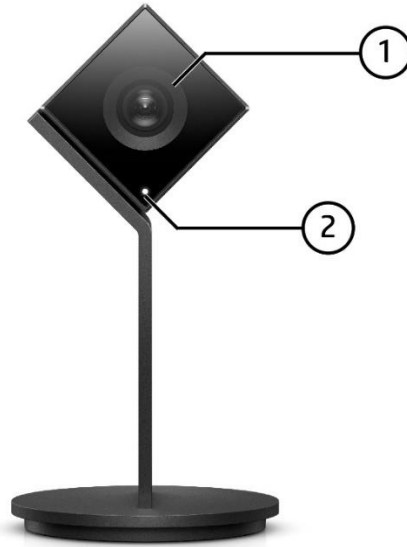- Zoom Rooms conferencing solution built on Windows IoT 64 Enterprise
- Designed solution for huddle, small, medium, large, and custom meetings rooms
- HP Presence Mini Conferencing PC Information
    - HP developed and engineered UEFI V2.7 BIOS supporting security, manageability, and software image stability
    - Intel® Q470 chipset supporting Intel® 10th generation Core™ processors, featuring integrated Intel® UHD 630 Graphics and Intel® vPro® Technology Core i5 and Core i7 processors
    - 35W Processors
    - Intel® Ethernet Connection I219LM GbE LOM integrated network connection
    - Intel® Wi-Fi 6 + BT5 (802.11AX 2x2)
    - DDR4 Synchronous Dynamic Random Access Memory (SDRAM) (Transfer rates up to 2933 MT/s)
    - Enhanced Security whit HP Security Suite (Refer to Security Section for details)
    - CCC, CECP and SEPA Certified
    - TCO
    - PC chassis and all internal components and modules are manufactured with low halogen content
    - Dust filter available
    - Undergo up to 13 MIL-STD tests[1]
    - Protected by HP Services, including limited warranties up to 3-3-3 (terms and conditions vary by country; certain restrictions and exclusions apply); Care Packs available with up to 5 years Next Business Day Onsite Hardware Support
    - Compliance with CE (Class B) / FCC (Class B) / UL (UL60950-1 /UL62368-1) / CSA (CSA C22.2 No.60950-1-07 / CSA C22.2 No. 62368-1-14) / ICES-003 / CCC / VCCI (Class B) / KCC (Class B)

1. MIL-STD drop test not performed for All-in-Ones. MIL-STD testing is not intended to demonstrate fitness for U.S. Department of Defense contract requirements or for military use. Test results are not a guarantee of future performance under these test conditions. Accidental damage requires an optional HP Accidental Damage Protection Care Pack.

NOTE: See important legal disclosures for all listed specs in their respective feature´s sections

Features

OPERATING SYSTEM

Preinstalled   Windows 10 IoT Enterprise SAC[1]

1. Not all features are available in all editions or versions of Windows. Systems may require upgraded and/or separately purchased hardware, drivers, software or BIOS update to take full advantage of Windows functionality. Windows is automatically updated and enabled. High speed internet and Microsoft account required. ISP fees may apply and additional requirements may apply over time for updates. See http://www.windows.com.

ZOOM ROOM SYSTEMS IT TOPOLOGY PRE-REQUISITE

Since Zoom Rooms is a cloud-based solution, *firewall / network* settings should be configured per Zoom requirements. Zoom Rooms supports calendar integration with Exchange (versions *2007*, *2010* & *2013/16*) as well as *Office 365* and *Google Calendar*. For detailed setup instructions please reference Getting Started with Zoom Rooms (*https://support.zoom.us/hc/en-us/articles/207483343-Getting-Started-with-Zoom-Rooms*) support article. Please ensure a valid *Zoom Rooms License* is procured prior to deployment.

AV peripherals must meet the *current* minimum system requirements for Zoom. For detailed setup instructions please reference Getting Started with Zoom Rooms (*https://support.zoom.us/hc/en-us/articles/207483343-Getting-Started-with-Zoom-Rooms*) support article.

Zoom Rooms license required. See *https://zoom.us/pricing.*

Not all configuration components are available in all regions/countries.
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QuickSpecs

Features

CHIPSET

Intel® Q470 PCH-H– vPro®

PROCESSORS

Intel® 10th Generation Core™ Processors
Intel® Core™ i7 10700T Processor with Intel® UHD Graphics 630 (2.0 GHz, up to 4.5 GHz with Intel® Turbo Boost3,16MB cache, 8 cores) 35W[1, 2] Supports Intel® vPro® Technology[3]
Intel® Core™ i5 10500T processor with Intel® UHD Graphics 630 (2.3 GHz, up to 3.8 GHz with Turbo Boost 2.0, 12 MB cache, 6 cores) 35W[1, 2] Supports Intel® vPro® Technology[3]

1: Multi-core is designed to improve performance of certain software products. Not all customers or software applications will necessarily benefit from use of this technology. Performance and clock frequency will vary depending on application workload and your hardware and software configurations. Intel's numbering, branding and/or naming is not a mea configuration surement of higher performance.
2. Intel® Optane™ memory system acceleration does not replace or increase the DRAM in your system.
3. Some functionality of vPro® technology, such as Intel Active management technology and Intel Virtualization technology, requires additional 3rd party software in order to run. Availability of future "virtual appliances" applications for Intel vPro® technology is dependent on 3rd party software providers. Compatibility with future "virtual appliances" is yet to be determined.
NOTE: Memory speed 2666 and 2933 MT/s can be achieved via two UDIMMs per channel (2DPC) when populated with the same part number.

GRAPHICS

Integrated Intel® Graphics

Intel® UHD Graphics 630 (integrated on 10th gen Core i7/i5)

Adapters and Cables

HP DisplayPort™ to HDMI True 4K Adapter
HP Presence 2m Type-C cable*
HP Presence 5m Type-C cable*
HP Presence 15m Type-C cable*
HP Presence 30m Type-C cable*
HP Presence 5m Right Angle Type-C Cable (Included with camera and audio/video bar)

NOTE*: Custom USB-C® cable only can used between the mini and a center

STORAGE

Integrated Intel® Graphics

256GB* M.2 2280 PCIe NVMe Three Layer Cell SSD

NOTE*: For hard drives and solid state drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 36 GB (for Windows) of system disk is reserved for the system recovery software

Features

MEMORY

Memory Type

DDR4-2933 (Transfer rates up to 2933 MT/s), 64 GB, 2 SODIMM[1]
DDR4-2666 (Transfer rates up to 2666 MT/s), 64 GB, 2 SODIMM

Memory Configuration

8 GB (2 x 4 GB)
16 GB (2 x 8 GB)

1. Only available with Intel Core i7 processor. Maximum transfer rate only available with Intel® Core i7 = Processors.
NOTE: For systems configured with more than 3 GB of memory and a 32-bit operating system, all memory may not be available due to system resource requirements. Addressing memory above 4 GB requires a 64-bit operating system.
Memory modules support data transfer rates up to 2666 MT/s or 2933 MT/s as depending on processor config; with 1 DIMM per channel. Additional DIMM loading on any channel may impact maximum memory speed. Actual data rate is determined by the system's configured ; See processor specifications for supported memory data rate.
NOTE: All memory slots are customer accessible / upgradeable.

NETWORKING/COMMUNICATIONS

Ethernet (RJ-45)

Intel® I219-LM 1 Gigabit Network Connection LOM (vPro®)

Wireless

Intel® Wi-Fi 6[1] AX201 + BT5 (802.11AX 2x2 vPro®, supporting gigabit file transfer speed)

1. Wireless access point and Internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 6 (802.11ax) is backwards compatible with prior 802.11 specs.

AUDIO / MULTIMEDIA

Audio

HP Presence Control Center
HP Presence Control Plus Center

Video

HP Presence See 4k AI Camera
HP Presence Audio Video Bar

Audio/Video Input

HP Presence Multi-Port Adapter

Not all configuration components are available in all regions/countries.
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QuickSpecs

Features

KEYBOARDS AND POINTING DEVICES

Keyboards (AMO only)

HP Wired Desktop 320K Keyboard
HP Wired Desktop 125 Wired Keyboard

Mouse (AMO only)

HP Wired Desktop 320M Mouse
HP Wired Desktop 125 Wired Mouse

SYSTEM SECURITY (HARDWARE/BIOS)

TPM 2.0 (FW: 7.85) endpoint security controller (Infineon SLB9670) shipped with Windows 10. Common Criteria EAL4+ Certified. FIPS 140-2 Level 2 Certified.

Intrusion Sensor for DM (integrated in the PCA, can be enabled/disabled through BIOS)

Support for chassis cable lock devices

Support for chassis padlocks devices

Intel® Identify Protection Technology (IPT)[1]

Removable media write/boot control

Power-on password (via BIOS)

Setup password (via BIOS)

1. Models configured with Intel® Core™ processors have the ability to utilize advanced security protection for online transactions. IPT, used in conjunction with participating web sites, provides double identity authentication by adding a hardware component in addition to the usual user name and password. IPT is initialized through an HP Client Security module.

Not all configuration components are available in all regions/countries.
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QuickSpecs

Features

PORTS

I/O Ports – Internal Ports

Internal SATA storage connector (Data and Power)

Standard User Accessible Ports

Type-A SuperSpeed USB 5 Gbps signaling rate port	1 (front) 2 (rear)
Type-A SuperSpeed USB 10 Gbps signaling rate port	1 (front) 2 (rear)
Type-C® SuperSpeed USB 10 signaling rate Gbps port	1 (front)
Video	2 DisplayPort™ 1.4 (rear)
Audio	1 Combo Audio Jack with CTIA and headset support (front)
Network Interface	1 RJ45 (rear)

(1) Flexible Port 1:

HP Presence Control Ports	2 (rear)
Video	2 HP Presence Control Center Ports

(1) Flexible Port 2:

Type-C USB	2 Hi-Speed USB (rear)
HDMI 2.0a	1 (rear)

Slots

M.2 PCIe	(1) M.2 PCIe x1 2230 (for WLAN) (2) M.2 PCIe x4 2280/2230 Combo (for storage)

Features

USB SPECIFICATION AND MARKETING NAME MAPPING TABLE

Marketing Name	Technical Terminology
Hi-Speed USB 480Mbps signaling rate	USB 2.0
SuperSpeed USB 5Gbps signaling rate	USB 3.2 Gen 1
SuperSpeed USB 10Gbps signaling rate	USB 3.2 Gen 2
SuperSpeed USB 20Gbps signaling rate	USB 3.2 Gen 2x2

Features

SOFTWARE COMPONENTS AND APPLICATIONS WITH WINDOWS

Software
Zoom Rooms[1]
HP Desktop Support Utilities
HP Privacy Settings
HP Presence Smart Setup
HP TechPulse[2]
HP Cloud Endpoint Manager[3]
HP Presence App

Manageability Features and Services
HP Manageability Integration Kit (download)[4]
HP Driver Packs (download)
HP Client Catalog (download)
HP Client Management Script Library (download)
HP Image Assistant Gen5 (download)
HP Presence Manager[5]
HP Presence Insights[6]
HP Presence Exchange

Security Management
HP Wolf Security for Business[7] includes:
 HP Sure Start Gen6[8]
 HP Secure Erase[9]

BIOS
HP BIOSphere Gen6[10]
HP DriveLock & Automatic DriveLock
BIOS Update via Network
Absolute Persistence Module[11]
Pre-boot Authentication
HP Wake on WLAN
TPM 2.0 Embedded Security Chip (Common Criteria EAL4+ Certified) (FIPS 140-2 Level 2 Certified

1. Zoom Rooms software is preinstalled. License for Zoom Rooms is required and sold separately by Zoom Rooms.
2. HP TechPulse is a telemetry and analytics platform that provides critical data around devices and applications and is not sold as a standalone service. HP TechPulse follows stringent GDPR privacy regulations and is ISO27001, ISO27701, ISO27017 and SOC2 Type2 certified for Information Security. Internet access with connection to TechPulse portal is required. For full system requirements, please visit http://www.hpdaas.com/requirements.
3. HP Cloud Endpoint Manager is licensed by the terms of the HP Presence Insights Terms of Service http://www.hp.com/hp-presence-insights-tos.
4. HP Manageability Integration Kit can be downloaded from http://www8.hp.com/us/en/ads/clientmanagement/overview.html.
5. HP Presence Manager requires HP Presence Meeting Space Solutions and uses HP Cloud Endpoint Manager and HP TechPulse, a telemetry and analytics platform that provides critical data around devices and applications. HP Cloud Endpoint Manager and HP TechPulse follow stringent GDPR privacy regulations. HP TechPulse is ISO27001, ISO27701, ISO27017 and SOC2 Type2 certified for Information Security. Internet access with connection to TechPulse portal is required. For full system requirements, please visit http://www.hpdaas.com/requirements. HP Presence Manager and HP Presence Insights are licensed by the terms of the HP Presence Insights Terms of Service http://www.hp.com/hp-presence-insightstos.
6. HP Presence Insights is included through December 31, 2022 with the purchase of HP Presence Meeting Space solutions. Functionality will then revert to HP Presence Manager. Purchase of 1–5-year license is required thereafter. HP Presence Manager and HP Presence Insights are licensed by the terms of the HP Presence Insights Terms of Service http://www.hp.com/hp-presence-insights-tos. HP Presence Manager and HP Presence Insights use HP Cloud Endpoint Manager and HP TechPulse, a telemetry and analytics platform that provides critical data around devices and applications HP Cloud Endpoint Manager and HP TechPulse follow stringent GDPR privacy regulations. HP TechPulse is ISO27001, ISO27701, ISO27017 and SOC2 Type2 certified for Information Security. Internet access with connection to TechPulse portal is required. For full system requirements, please visit http://www.hpdaas.com/requirements. HP Presence Manager and HP Presence Insights are licensed by the terms of the HP Presence Terms of Service http://www.hp.com/hp-presence-insights-tos.

Not all configuration components are available in all regions/countries.
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Features

7. HP Wolf Security for Business requires Windows 10 or higher, includes various HP security features and is available on HP Pro, Elite, RPOS and Workstation products. See product details for included security features and OS requirement.

8. HP Sure Start Gen6 is available on select HP PCs and requires Windows 10 and higher.

9. HP Secure Erase for the methods outlined in the National Institute of Standards and Technology Special Publication 800-88 "Clear" sanitation method. HP Secure Erase does not support platforms with Intel® Optane™.

10. HP BIOSphere Gen6 features may vary depending on the platform and configuration.

11. Absolute firmware module is shipped turned off and can only be activated with the purchase a license subscription and full activation of the software agent. License subscriptions can be purchased for terms ranging multiple years. Service is limited, check with Absolute for availability outside the U.S. Certain conditions apply. For full details visit: https://www.absolute.com/about/legal/agreements/absolute/.

Not all configuration components are available in all regions/countries.

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Features

HP Presence Control/No Audio Control Center

Specifications

Audio Version only

4 corner (360°) Integrated Mics	4m pickup range (disabled for No Audio Control Center)
Satellite Mics	Requires HP Present HUB to use
Speakers 2.25 inch	2 Stereo Speakers
Decibels(db)	85db@1M
Frequency Response	115Hz – 20kHz
THD	< 5% 200Hz to 20kHz, 1W/0.5M
Audio + Room Calibration	B&O Room-Cal (4 core Audio Processor w 32gb memory)
Echo Cancellation	Yes - Rapid
Auto Volume	Yes
Auto Mic Gain	Yes
Stereo Audio	Yes

General (Audio and No Audio versions)

4 corner (360°) Integrated Mics	4m pickup range
Detection	Presence (3m)
BYOD – Guest Mode	Yes (Multi-Port Adaptor Included)
Screen	8 in diagonal, touch, anti-glare, 360° view LED
Screen Resolution	1280x800 @50hz Landscape
Daisy Chain	Yes – Up to 3
Mounting Position	Table / Wall
Remote Configure	Yes – Realtime
Dimensions (LxWxH)	2.56 x 8.92 x 7.61 in (65.2 x 226.6 x 193.3 mm)
Weight	1.65 kg (3.64 lb) With Audio

Includes

- HP Presence Control or No Audio Control Center
- HP Presence 5m Type-C Cable
- 65w USB-C® Power Supply
- HP Presence Multi-Port Adapter

Not all configuration components are available in all regions/countries.
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QuickSpecs

Features

HP Presence Control Plus Center

Features

- Low profile intelligent control center
- Built-in Audio Processor for premium stereo audio
- 360 far-field mic pickup range
- Integrated Guest & High-Resolution Modes

Specifications

4 corner (360°) Integrated Mics	6m pickup range
Satellite Mics	Up to 2 mics optional
Speakers 3.25 inch	2 Stereo Speakers
Decibels(db)	89db@1M
Frequency Response	95Hz – 16kHz
THD	< 5% 100Hz to 20kHz, 1W/0.5M
Audio + Room Calibration	B&O Room-Cal (4 core Audio Processor w 32gb memory)
Echo Cancellation	Yes – Rapid
Auto Volume	Yes
Auto Mic Gain	Yes
Stereo Audio	Yes
Sensors	Passive infrared (People in Room-PIR), Light (Ambient Light Sensor-ALS) and temperature
Detection	Presence (3m)
BYOD – Guest Mode	Yes (Multi-Port Adaptor Included)
Screen	8 in diagonal, touch, anti-glare, 360° view LED
Screen Resolution	1280x800 @50hz Landscape
Daisy Chain	Yes – Up to 3
Mounting Position	Table
Remote Configure	Yes – Realtime
Dimensions (LxWxH)	2.56 x 8.92 x 7.61 in (65.2 x 226.6 x 459.2 mm)
Weight	4.03 kg (8.87 lb) With Audio

Includes

- HP Presence Control Plus Center
- HP Presence 5m Type-C Cable
- 90w Power Supply
- HP Presence Multi-Port Adapter

QuickSpecs

Features

HP Presence Hub (optional) -TBD

Features

- Low profile hub
- Extended
- Voice pickup with total 6 mics
- Plug and Play satellite microphones (2)
- Only works with and integrates easily with the Control/No Audio Control centers

Specifications

Integrated Mics	4 corner (360°), 4 m pickup range (disabled)
Satellite Mics	2 Included (3m pickup range)
Echo Cancellation	Yes - Rapid
Auto Mic Gain	Yes
BYOD – Guest Mode	Yes
Remote Configure	Yes - Realtime
Dimensions (LxWxH)	2.56 x 8.92 x 7.61 in (65.2 x 226.6 x 193.3 mm)
Hub Weight	1.43 k (3.15 lb)
Satellite Mics Weight	80.4 g (0.18 lb)

Includes

- HP Presence Hub
- HP Presence 2m USB-C® Cable
- 90w Power Supply
- HP Presence Talk Satellite Microphones (2) with RJ11 cables

Features

HP Presence See 4k AI Camera (Optional with any platform)

Features

- Mics Callout: (2) Presenter Tracking Mics
- Speaker Detection
- HP Auto Frame (3 modes)
- Anti-Vibration Stabilizer
- Wide Dinamic Range
- Auto Light Adjustment
- People Counting (Up to 20)
- Auto Image Rotate Accelerometer
- Electronic Image Stabilization
- Up/down rotational motor
- Supports Customize and Control with HP Presence Smart Setup App
- Presence App SW interface

Specifications

Definition	4K @30FPS
Privacy Shutter	Automatic - Mechanical
Zoom Pan/Tilt	5X ePTZ (Digital)
Framing	Auto 3 speeds
Picture Correction	WDR
Picture -In-Picture	Yes – Speaker Tracking
Sensors	12MP
Detection	Auto-rotate
BYOD – Guest Mode	Yes (Video)

12MP image sensor	Resolution	3840x2160 @30FPS
	Aspect ratio	16:9
	FOV	H 112°, V 73°, D 122°
	Zoom	5x digital

Interface	USB 3.1 G1 HW
Dimensions (LxWxH)	3.52 x 3.52 x 6.89 in (100 x 100 x 195.6 mm)
Table Stand mode Weight	0.44 kg (0.96 lb)
Wall Mount Weight	0.26kg (0.57 lb)

Not all configuration components are available in all regions/countries.
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Features

Includes

- HP Presence See 4k AI Camera
- HP Presence 5m Right Angle Type-C Cable
- Table Mount
- Wall Mount[1]

1. Does not include Locking Mount (separate option kit)

HP Presence Audio Video Bar (Optional)

Audio Features

- Dedicated Audio Processor for premium stereo audio
- Auto room calibration supported
- Automatic privacy shutter
- Cinema like auto zooming

Audio Specifications

Integrated Mics	4 Uni-Directional Mics, 6m pickup range
Speakers	2.25 in. Stereo Speakers (4) / 1.25 n. Tweeter (2)
Decibels(db)	89db@1M
Frequency Response	100Hz – 20kHz
THD	< 5% 150Hz to 20kHz, 1W/0.5M
Audio + Room Calibration	B&O Room-Cal (4 core Audio Processor w 32gb memory)
Echo Cancellation	Yes - Rapid
Auto Volume	Yes
Auto Mic Gain	Yes
Stereo Audio	Yes
Daisy Chain	Yes
Satellite Mic	Up to 2 optional
Detection	Auto-Open
Detection Distance	3m - 90° FOV
BYOD	Yes (Video + Speakers + Mics)

Not all configuration components are available in all regions/countries.

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Features

Camera Features

- Mics Callout: (2) Presenter Tracking Mics
- HP Auto Frame (3 modes)
- Auto Light Adjustment
- People Counting (Up to 20)
- Auto Image Rotate Accelerometer
- Anti-Vibration Stabilizer
- Supports Customize and Control with HP Presence Smart Setup App

Camera Specifications

Definition	4K @30FPS
Privacy Shutter	Automatic - Mechanical
Zoom Pan/Tilt	5X ePTZ (Digital)
Framing	Auto 3 speeds
Picture Correction	WDR
Picture -In-Picture	Yes – Speaker Tracking
Detection Distance	3m - 90° FOV
12MP image sensor	Resolution 3840x2160 @30FPS Aspect ratio 16:9 FOV H 112°, V 73°, D 122° Zoom 5x digital

Overall Specifications

Interface	USB-C®
Dimensions (LxWxH)	4.91 x 3.37 x 35.47 in (124.8 x 85.7 x 901 mm)
Weight	3.93 kg (8.66 lb) Table stand mode
Bar Width	901 mm (doors closed), 981 mm (doors open)
Traveling distance of single door (left or right)	40 mm

Includes

- HP Presence Audio Video Bar
- HP Presence 5m Right Angle Type-C Cable
- 65w USB-C® Power Supply
- Wall Mount

Not all configuration components are available in all regions/countries.

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Features

HP Presence Talk Satellite Microphones (2)
(Optional or comes with HP Presence Hub with RJ11 Cables included)

Features

- Bright 360-degree LED Light for mic status
- Touch Control Mute / Un-Mute
- Easy Table setup with standard RJ11 connection
- Mics separately only work with HP Presence Control Plus Center

Specifications

Range	Increase range by 3 m
Dimensions (L x W x H)	3.11 x 3.11 x 0.80 in (79.14 x 79.14 x 20.5 mm)
Weight	80.4 g (0.18 lb)
RJ11 Cable Length	1.8 m

Includes

- 2 Satellite Microphones
- 2 RJ11 cables

Not all configuration components are available in all regions/countries.
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Features

HP Presence Multi-Port Adapter

Features

- HDMI or USB-C® video input connectors for video input
- USB-A® input connector for audio input when using HDMI video input for Guest mode
- White Color coded connector for easy installation
- Included with HP Presence Control/No Audio Control/Control Plus consoles

Specifications

Length Dimensions	2.0 m
HDMI 2.0a input	Yes
USB-C® USB 5Gbps signaling rate connector	Yes
USB-A USB 5Gbps signaling rate connector	Yes

Not all configuration components are available in all regions/countries.

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Features

BASIC PLATFORM KIT CONTENTS

HP Presence kit with a Control/No Audio Control Center and Zoom Rooms

- HP Presence Mini Conferencing PC with preloaded Win IoT Enterprise and Zoom Rooms
- HP 90w Power Supply
- HP Mini Port Cover
- HP Mini Security Dual VESA Sleeve v3 with Power Supply Holder
- HP Presence Control or No Audio Control Center
- HP 65w USB-C® Power Supply
- HP Presence 5m USB-C® Cable (with clips) *
- HP Presence Multi-Port Adapter
- HP DisplayPort to HDMI True 4k Adapter
- T10/T4 Torq wrench
- Optional in box (or AMO kit)
  - HP Presence Hub with 2m cable with clips, Power Supply, and HP Presence Talk Satellite Microphones (2) (with RJ11 cables)

HP Presence with a Control Plus Center and Zoom Rooms

- HP Presence Mini Conferencing PC with preloaded Win IoT Enterprise and Zoom Rooms
- HP 90w Power Supply (2 of them)
- HP Mini Port Cover
- HP Mini Security Dual VESA Sleeve v3 with Power Supply Holder
- HP Presence Control Plus Center
- HP Presence 5m USB-C® Cable (with clips) *
- HP Presence Multi-Port Adapter
- HP DisplayPort to HDMI True 4k Adapter
- T10/T4 Torq wrench
- Optional in box (or AMO kit)
  - HP Presence Talk Satellite Microphones (2) (with RJ11 cables)

- Custom USB-C® cable between mini and center

Not all configuration components are available in all regions/countries.
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Features

ENVIRONMENTAL & INDUSTRY

Low halogen (chassis, all internal components and modules)[1]
TAA compliant models available

1. External power supplies, power cords, cables and peripherals are not Low Halogen. Service parts obtained after purchase may not be Low Halogen.

UNIT ENVIRONMENT AND OPERATING CONDITIONS

General Unit Operating Guidelines

- Use the operating specifications for helpful information when you travel with or store your computer.
- Keep the computer away from excessive moisture, direct moisture and the extremes of heat and cold, to ensure that unit is operated within the specified operating range.
- Leave a 10.2 cm (4 in) clearance on all vented sides of the computer to permit the required airflow.
- Never restrict airflow into the computer by blocking any vents or air intakes.
- Do not stack computers on top of each other or place computers so near each other that they are subject to each other's re-circulated or preheated air.
- Occasionally clean the air vents on the front, back, and any other vented side of the computer. Lint, dust and other foreign matter can block the vents and limit the airflow.
- If the computer is to be operated within a separate enclosure, intake and exhaust ventilation must be provided on the enclosure, and the same operating guidelines listed above will still apply.

Temperature Range	Operating: 41° to 95° F (5° to 35° C)[1] (writing to optical disc)[2] Non-operating: -4° to 140° F (-20° to 60° C)
Relative Humidity	Operating: 10% to 90% (non-condensing at ambient) Non-operating: 5% to 95% (non-condensing at ambient)
Maximum Altitude (unpressurized)	Operating: -50 ft to 10,000 ft (-15 m to 3,048 m) Non-operating: -50 ft to 40,000 ft (-15 m to 12,192 m)

1. Operating temperature is de-rated 1.0 deg C per 300 m (1000 ft) to 3000 m (10,000 ft) above sea level, no direct sustained sunlight. Maximum rate of change is 10 deg C/Hr. The upper limit may be limited by the type and number of options installed.
2. Presence detection: 5°C to 25°C.

Not all configuration components are available in all regions/countries.
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QuickSpecs

Features

HP Presence Mini Conferencing PC

Eco-Label Certifications & declarations	This product has received or is in the process of being certified to the following approvals and may be labeled with one or more of these marks: • IT ECO declaration		
System Configuration	The configuration used for the Energy Consumption and Declared Noise Emissions data for the Desktop model is based on a "Typically Configured Desktop.		
Energy Consumption	**115VAC, 60Hz**	**230VAC, 50Hz**	**100VAC, 50Hz**
Normal Operation (Short idle)	8.9320 W	8.9410 W	8.9190 W
Normal Operation (Long idle)	6.3380 W	6.3460 W	6.3280 W
Sleep	1.0520 W	1.1020 W	1.0320 W
Off	0.8210 W	0.8220 W	0.8200 W
Heat Dissipation*	**115VAC, 60Hz**	**230VAC, 50Hz**	**100VAC, 50Hz**
Normal Operation (Short idle)	30.4581 BTU/hr	30.4888 BTU/hr	30.4138 BTU/hr
Normal Operation (Long idle)	21.6126 BTU/hr	21.6399 BTU/hr	21.5785 BTU/hr
Sleep	3.5873 BTU/hr	3.7578 BTU/hr	3.5191 BTU/hr
Off	2.7996 BTU/hr	2.8030 BTU/hr	2.7962 BTU/hr
	NOTE: Heat dissipation is calculated based on the measured watts, assuming the service level is attained for one hour.		
Declared Noise Emissions (in accordance with ISO 7779 and ISO 9296)	Sound Power (L_{WAd}, bels)		Sound Pressure (L_{pAm}, decibels)
Typically Configured – Idle	2.8		18.8
Fixed Disk – Random writes	2.8		18.8
Longevity and Upgrading	This product can be upgraded, possibly extending its useful life by several years. Upgradeable features and/or components contained in the product may include: Spare parts are available throughout the warranty period and or for up to "5" years after the end of production.		
Batteries	This battery(s) in this product comply with EU Directive 2006/66/EC Batteries used in the product do not contain: Mercury greater the1ppm by weight Cadmium greater than 20ppm by weight Battery size: CR2032 (coin cell) Battery type: Lithium		

QuickSpecs

Features

Additional Information	• This product is in compliance with the Restrictions of Hazardous Substances (RoHS) directive – 2011/65/EC. • This HP product is designed to comply with the Waste Electrical and Electronic Equipment (WEEE) Directive – 2002/96/EC. • This product is in compliance with California Proposition 65 (State of California; Safe Drinking Water and Toxic Enforcement Act of 1986). • Plastics parts weighing over 25 grams used in the product are marked per ISO11469 and ISO1043. • This product contains a minimum of 35% post-consumer recycled plastic (by wt.); Including 10% ITE-derived post-consumer recycled plastic* • This product is 95.1% recycle-able when properly disposed of at end of life. ***NOTE:** Recycled plastic content percentage is based on the definition set in the IEEE 1680.1-2018 standard.		
Packaging Materials	**External:**	PAPER/Corrugated	405 g
		PAPER/Molded pulp	74 g
	Internal:	PLASTIC/Polyethylene low density	3 g
Material Usage	This product does not contain any of the following substances in excess of regulatory limits (refer to the HP General Specification for the Environment at http://www.hp.com/hpinfo/globalcitizenship/environment/pdf/gse.pdf): • Asbestos • Certain Azo Colorants • Certain Brominated Flame Retardants – may not be used as flame retardants in plastics • Cadmium • Chlorinated Hydrocarbons • Chlorinated Paraffins • Formaldehyde • Halogenated Diphenyl Methanes • Lead carbonates and sulfates • Lead and Lead compounds • Mercuric Oxide Batteries • Nickel – finishes must not be used on the external surface designed to be frequently handled or carried by the user. • Ozone Depleting Substances • Polybrominated Biphenyls (PBBs) • Polybrominated Biphenyl Ethers (PBBEs) • Polybrominated Biphenyl Oxides (PBBOs) • Polychlorinated Biphenyl (PCB) • Polychlorinated Terphenyls (PCT) • Polyvinyl Chloride (PVC) – except for wires and cables, and certain retail packaging has been voluntarily removed from most applications. • Radioactive Substances • Tributyl Tin (TBT), Triphenyl Tin (TPT), Tributyl Tin Oxide (TBTO)		
Packaging Usage	This product does not contain any of the following substances in excess of regulatory limits (refer to the HP General Specification for the Environment at http://www.hp.com/hpinfo/globalcitizenship/environment/pdf/gse.pdf): • Asbestos • Certain Azo Colorants • Certain Brominated Flame Retardants – may not be used as flame retardants in plastics • Cadmium • Chlorinated Hydrocarbons • Chlorinated Paraffins • Formaldehyde • Halogenated Diphenyl Methanes		

Not all configuration components are available in all regions/countries.
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Features

	• Lead carbonates and sulfates • Lead and Lead compounds • Mercuric Oxide Batteries • Nickel – finishes must not be used on the external surface designed to be frequently handled or carried by the user. • Ozone Depleting Substances • Polybrominated Biphenyls (PBBs) • Polybrominated Biphenyl Ethers (PBBEs) • Polybrominated Biphenyl Oxides (PBBOs) • Polychlorinated Biphenyl (PCB) • Polychlorinated Terphenyls (PCT) • Polyvinyl Chloride (PVC) – except for wires and cables, and certain retail packaging has been voluntarily removed from most applications. • Radioactive Substances • Tributyl Tin (TBT), Triphenyl Tin (TPT), Tributyl Tin Oxide (TBTO)
End-of-life Management and Recycling	HP Inc. offers end-of-life HP product return and recycling programs in many geographic areas. To recycle your product, please go to: http://www.hp.com/go/reuse-recycle or contact your nearest HP sales office. Products returned to HP will be recycled, recovered or disposed of in a responsible manner. The EU WEEE directive (2002/95/EC) requires manufacturers to provide treatment information for each product type for use by treatment facilities. This information (product disassembly instructions) is posted on the Hewlett Packard web site at: http://www.hp.com/go/recyclers. These instructions may be used by recyclers and other WEEE treatment facilities as well as HP OEM customers who integrate and re-sell HP equipment. Global Citizenship Report http://www.hp.com/hpinfo/globalcitizenship/gcreport/index.html Eco-label certifications http://www8.hp.com/us/en/hp-information/environment/ecolabels.html ISO 14001 certificates: http://www.hp.com/hpinfo/globalcitizenship/environment/pdf/PC_GBU_Product_Design_ISO_14K_Certificate.pdf and http://www.hp.com/hpinfo/globalcitizenship/environment/pdf/cert.pdf

Not all configuration components are available in all regions/countries.

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Features

SERVICE AND SUPPORT

HP Presence Mini Conferencing PC

On-site Warranty[1]: Three-year (3-3-3) limited warranty delivers three years of on-site, next business day[2] service for parts and labor and includes free support 24 x 7[3]. Three-year onsite and labor are not available in all countries. Service offers terms up to 5 years by choosing an optional HP Care Pack. To choose the right level of service for your HP product, visit HP Care Pack Central: http://www.hp.com/go/cpc.[4]

1. Terms and conditions may vary by country. Certain restrictions and exclusions apply. Other warranty variations may be offered in your region.
2. On-site service may be provided pursuant to a service contract between HP and an authorized HP third-party provider, and is not available in certain countries. Global service response times are based on commercially reasonable best effort and may vary by country.
3. Technical telephone support applies only to HP-configured and third-party HP qualified hardware and software. Toll-free calling and 24 x 7 support may not be available in some countries.
4. Service levels and response times for HP Care Packs may vary depending on your geographic location. Service starts on date of hardware purchase. Restrictions and limitations apply. For details, visit www.hp.com/go/cpc. HP services are governed by the applicable HP terms and conditions of service provided or indicated to Customer at the time of purchase. Customer may have additional statutory rights according to applicable local laws, and such rights are not in any way affected by the HP terms and conditions of service or the HP Limited Warranty provided with your HP Product.

Not all configuration components are available in all regions/countries.
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Technical Specifications – Processors

PROCESSORS

Intel® 10th Generation Core™ Processors

HP Presence Mini Conferencing PC features this technology includes processors that are part of the Intel® Stable Image Platform Program (SIPP) designed to ensure the stability promise inherent in the value proposition of the HP Presence Mini Conferencing PC.

Intel® Advanced Management Technology (AMT) v12 – An advanced set of remote management features and functionality which provides network administrators the latest and most effective tools to remotely discover, heal, and protect networked client systems regardless of the system's health or power state. AMT 12 includes the following advanced management functions:

- Support for configuration of Intel AMT 12.0 new capabilities
- No reset after provisioning
- Support changes to BIOS table 130
- Support for Microsoft Windows Server 2012 R2
- Support for New Microsoft SQL Server Versions including Standard and Enterprise editions
- Support for Intel SSD Prop 2500 Series
- Support for Intel Enterprise Digital Fence
- The Platform Discovery Utility can now discover these additional Intel products:
- Intel SSD Pro 2500 Series; Enterprise Digital Fence
- Intel Identity Protection Technology with One Time Password; Public Key Infrastructure; Multi Factor Authentication
- Intel Identity Protection Technology with Intel WiGig
- New Profile Editor and Profile Editor Plugin Interface
- New Required Permissions for Solutions Framework

Not all configuration components are available in all regions/countries.

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GRAPHICS

HP Presence Mini Conferencing PC

Intel® HD 630 Graphics (integrated)

DisplayPort™	Multimode capable; supports HDCP, Display Port Audio (2 streams), HBR2 link rates and Multi-Stream Technology for a maximum of 3 displays connected to any output controlled by Intel® Graphics
HDMI	Supports HDMI 2.0a features Supports HDCP 2.3 Supports audio over HDMI
USB-C® DP Alt Mode	DisplayPort over the Presence Control Ports
Memory	The actual amount of maximum graphics memory can be >4GB. System memory is allocated for graphics as needed using Intel's Dynamic Video Memory Technology (DVMT), to provide an optimal balance between graphics and system memory use.
Maximum Color Depth	up to 10 bits/color
Graphics/Video API Support	HEVC 10b Enc/Dec HW VP9 10b Dec HW HDR Rec. 2020 DX12
Max. Resolution (HDMI)	4096 x 2160@30Hz
Max. Resolution (DP)	4096 x 2304@60Hz

Not all configuration components are available in all regions/countries.

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Technical Specifications – Storage

STORAGE

256GB M.2 2280 PCIe NVMe Three Layer Cell SSD

Drive Weight	<10g
Capacity	256GB
Height	2.38mm
Length	80mm
Width	22mm
Interface	PCIE Gen3
Maximum Sequential Read	Up to 2700MB/s
Maximum Sequential Write	Up to 1000MB/s
Logical Blocks	500,118,192
Operating Temperature	0° to 70°C (32° to 158°F) [ambient temp]
Features	APST; ASPM L1.2; NVME spec 1.2

NOTE: For hard drives and solid state drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 36 GB (for Windows) of system disk is reserved for the system recovery software.

Not all configuration components are available in all regions/countries.

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Technical Specifications – Networking and Communications

NETWORKING AND COMMUNICATIONS

Intel® I219-LM 1 Gigabit Network Connection LOM (vPro®)	
Connector	RJ-45
System Interface	PCI (Intel proprietary) + SMBus
Data rates supported	10 Mbit/s operation (10BASE-T; IEEE 802.3i; IEEE 802.3 clauses 13-14) 100 Mbit/s operation (100BASE-TX; IEEE 802.3u; IEEE 802.3 clauses 21-30) 1000 Mbit/s operation (1000BASE-T; IEEE 802.3ab; IEEE 8023 clauses 40) Auto-Negotiation (Automatic Speed Selection) Full Duplex Operation at all Speeds, Half Duplex operation at 10 and 100 Mbit/s
IEEE Compliance	IEEE 802.1p QoS (Quality of Service) Support IEEE 802.1q VLAN support IEEE 802.3x Flow Control (IEEE 802.3 clauses 31-32; configurable) IEEE 802.3az EEE (Energy Efficient Ethernet)
Performance	TCP/IP/UDP Checksum Offload (configurable) Protocol Offload (ARP & NS) Large send offload and Giant send offload Receiving Side Scaling (Hash Mode Only) Jumbo Frame 9K
Power consumption	Cable Disconnetion: 25mW 100Mbps Full Run: 450mW 1000bp Full Run: 1000mW WoL Enable(S3/S4/S5): 50mW WoL Disable(S3/S4/S5): 25mW
Power Management	ACPI compliant – multiple power modes Situation-sensitive features reduce power consumption Advanced link down power saving for reducing link down power consumption
Management Interface	Auto MDI/MDIX Crossover cable detection
IT Manageability	Wake-on-LAN from modern standby or sleep state (Magic Packet and Microsoft Wake-Up Frame); Wake-on-LAN from off (Magic Packet only) PXE 2.1 Remote Boot Statistics Gathering (SNMP MIB II, Ethernet-like MIB, Ethernet MIB (802.3x, clause 30)) Comprehensive diagnostic and configuration software suite Virtual Cable Doctor for Ethernet cable status
Security & Manageability	Intel® vPro® support with appropriate Intel® chipset components

Not all configuration components are available in all regions/countries.
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Technical Specifications – Networking and Communications

Intel Wi-Fi 6 AX201 + BT5 (802.11ax 2x2, vPro, supporting gigabit file transfer speeds) vPro	
Wireless LAN Standards	IEEE 802.11a IEEE 802.11b IEEE 802.11g IEEE 802.11n IEEE 802.11ac IEEE 802.11ax IEEE 802.11d IEEE 802.11e IEEE 802.11h IEEE 802.11i IEEE 802.11k IEEE 802.11r IEEE 802.11v
Interoperability	Features Wi-Fi 6 technology
Frequency Band	802.11b/g/n/ax • 2.402 – 2.482 GHz 802.11a/n/ac/ax • 4.9 – 4.95 GHz (Japan) • 5.15 – 5.25 GHz • 5.25 – 5.35 GHz • 5.47 – 5.725 GHz • 5.825 – 5.850 GHz
Data Rates	• 802.11b: 1, 2, 5.5, 11 Mbps • 802.11g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps • 802.11a: 6, 9, 12, 18, 24, 36, 48, 54 Mbps • 802.11n: MCS 0 ~ MCS 15, (20MHz, and 40MHz) • 802.11ac: MCS0 ~ MCS9, (1SS, and 2SS) (20MHz, 40MHz, ,80MHz & 160MHz) • 802.11ax: MCS0 ~ MCS11, (1SS and 2SS) (20MHz, 40MHz, ,80MHz & 160MHz)
Modulation	Direct Sequence Spread Spectrum OFDM, BPSK, QPSK, CCK, 16-QAM, 64-QAM, 256-QAM, 1024QAM
Security[3]	• IEEE compliant 64 / 128 bit WEP encryption for a/b/g mode only • AES-CCMP: 128 bit in hardware • 802.1x authentication • WPA, WPA2: 802.1x. WPA-PSK, WPA2-PSK, TKIP, and AES. • WPA2 certification • WPA3 and WPA3 Enterprise • IEEE 802.11i • WAPI
Network Architecture Models	Ad-hoc (Peer to Peer) Infrastructure (Access Point Required)
Roaming	IEEE 802.11 compliant roaming between access points
Output Power[2]	• 802.11b: +18.5dBm minimum • 802.11g: +17.5dBm minimum • 802.11a: +18.5dBm minimum • 802.11n HT20(2.4GHz): +15.5dBm minimum • 802.11n HT40(2.4GHz): +14.5dBm minimum • 802.11n HT20(5GHz): +15.5dBm minimum • 802.11n HT40(5GHz): +14.5dBm minimum • 802.11ac VHT80(5GHz): +11.5dBm minimum • 802.11ac VHT160(5GHz): +11.5dBm minimum • 802.11ax HT40(2.4GHz): +10dBm minimum • 802.11ax VHT160(5GHz): +10dBm minimum
Power Consumption	• Transmit mode: 2.0 W

Not all configuration components are available in all regions/countries.
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Technical Specifications – Networking and Communications

	• Receive mode: 1.6 W • Idle mode: (PSP) 180 mW (WLAN Associated) • Idle mode: 50 mW (WLAN unassociated) • Connected Standby: 10mW • Radio disabled: 8 mW
Power Management	ACPI and PCI Express compliant power management 802.11 compliant power saving mode
Receiver Sensitivity[3]	•802.11b, 1Mbps: -93.5dBm maximum •802.11b, 11Mbps: -84dBm maximum • 802.11a/g, 6Mbps: -86dBm maximum • 802.11a/g, 54Mbps: -72dBm maximum • 802.11n, MCS07: -67dBm maximum • 802.11n, MCS15: -64dBm maximum • 802.11ac, MCS0: -84dBm maximum • 802.11ac, MCS9: -59dBm maximum •802.11ax, MCS11(HT40): -59dBm maximum •802.11ax, MCS11(VHT160): -58.5dBm maximum
Antenna type	High efficiency antenna with spatial diversity, mounted in the display enclosure Two embedded dual band 2.4/5 GHz antennas are provided to the card to support WLAN MIMO communications and Bluetooth communications
Form Factor	PCI-Express M.2 MiniCard with CNVi Interface
Dimensions	1. Type 2230: 2.3 x 22.0 x 30.0 mm 2. Type 1216: 1.67 x 12.0 x 16.0 mm
Weight	1. Type 2230: 2.8g 2. Type 126: 1.3g
Operating Voltage	3.3v +/- 9%

Temperature	Operating	14° to 158° F (−10° to 70° C)
	Non-operating	−40° to 176° F (−40° to 80° C)
Humidity	Operating	10% to 90% (non-condensing)
	Non-operating	5% to 95% (non-condensing)
Altitude	Operating	0 to 10,000 ft (3,048 m)
	Non-operating	0 to 50,000 ft (15,240 m)
LED Activity	LED Amber – Radio OFF; LED White – Radio ON	

HP Integrated Module with Bluetooth[â] 4.0/4.1/4.2/5.0/5.1/5.2 Wireless Technology

Bluetooth[â] Specification	4.0/4.1/4.2/5.0/5.1/5.2 Compliant
Frequency Band	2402 to 2480 MHz
Number of Available Channels	Legacy: 0~79 (1 MHz/CH) BLE: 0~39 (2 MHz/CH)
Data Rates and Throughput	Legacy: 3 Mbps data rate; throughput up to 2.17 Mbps
	BLE: 1 Mbps data rate; throughput up to 0.2 Mbps
	Legacy: Synchronous Connection Oriented links up to 3, 64 kbps, voice channels. Legacy: Asynchronous Connection Less links 2178.1 kbps/177.1 kbps asymmetric (3-DH5) or 864 kbps symmetric (3-EV5)
Transmit Power	The Bluetooth[â] component shall operate as a Class II Bluetooth[â] device with a maximum transmit power of +9.5 dBm for BR and EDR.
Power Consumption	Peak (Tx) 330 mW Peak (Rx) 230 mW Selective Suspend 17 mW
Bluetooth[â] Software Supported Link Topology	Microsoft Windows Bluetooth[â] Software

Not all configuration components are available in all regions/countries.

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Technical Specifications – Networking and Communications

Power Management	Microsoft Windows ACPI, and USB Bus Support
Certifications	FCC (47 CFR) Part 15C, Section 15.247 & 15.249
Power Management Certifications	ETS 300 328, ETS 300 826 Low Voltage Directive IEC950 UL, CSA, and CE Mark
Bluetooth Profiles Supported	BT4.1-ESR 5/6/7 Compliance LE Link Layer Ping LE Dual Mode LE Link Layer LE Low Duty Cycle Directed Advertising LE L2CAP Connection Oriented Channels Train Nudging & Interlaced Scan BT4.2 ESR08 Compliance LE Secure Connection- Basic/Full LE Privacy 1.2 –Link Layer Privacy LE Privacy 1.2 –Extended Scanner Filter Policies LE Data Packet Length Extension FAX Profile (FAX) Basic Imaging Profile (BIP)2 Headset Profile (HSP) Hands Free Profile (HFP) Advanced Audio Distribution Profile (A2DP)
Security & Manageability	Intel® vPro® support with appropriate Intel® chipset components

Technical Specifications – Input/Output Devices

I/O DEVICES

HP Wired Desktop 320K Keyboard (AMO Only)

Physical Characteristics	Keys	104, 105, 107,109 layouts
	Dimensions(L x W x H)	18.86*4.55*0.66 in (426.2 x 110.9 x 16.7 mm)
	Weight	1.00 lb(452g)
Electrical	Operating voltage	5 VDC, +/-5%
	Power consumption	50 mA Max (All LED on)
	System interface	USB Port
	ESD	Contact Discharge: 8 KV Air Discharge: 15 KV (Class B)
	EMI - RFI	European Standard EN 55022: 2006+A1: 2007, Class B. FCC/CFR 47 : Part 15 Class B
Mechanical	Keycaps	2.0mm +/-0.2mm at 120gf Key travel
Environmental	Operating temperature	10° C to 90° C
	Non-operating temperature	-30° C to 95° C
	Operating humidity	N/A
	Non-operating humidity	10% to 90% (non-condensing at ambient)
	Operating shock	N/A

	Non-operating shock	i. Half-Sine Shock – End-Use Handling, Non-Operational
		 Sample size: 5pcs.
		 Condition: Sample power off.
		 Axis: X, Y, Z axis (all 6 faces) – sample normal mode of operation.
		   Number of shocks: 1 shock/face.
		   Pulse duration: < 3 ms
		   Velocity change: 50lps (inch-per-second)- 65lps desired.
		
		 ii. Trapezoidal Shock- Transportation Environment, Non-Operational
		 Sample size: 5pcs.
		 Condition: Sample power off.
		 Orientation: All six faces: Front, Rear, Left, Right, Bottom, and Top.
		 Configuration: As intended for shipment
		 Number of shocks: 1 shock/face.
		 Minimum faired acceleration: 30G's. Test also at 40 and 50G's to find margin.
		 Velocity change: 266lps (inch-per-second) for product mass (m) 20<m<40lb.

		Frequency (Hz)	Slope (dB/oct)	PSD (g²/Hz)
	Operating vibration	5-350	0	0.0001
		350-500	-6	-
		500	-	0.00005
		(~0.21G_{nms})		
		Total Test time: 10 minutes		
	Non-operating vibration	**Frequency (Hz)**	**Slope (dB/oct)**	**PSD (g²/Hz)**

Not all configuration components are available in all regions/countries.
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Technical Specifications – Input/Output Devices

		5.100	0	0.015
		100-137	-6	-
		137-350	0	0.008
		350-500	-6	-
		500	-	0.0039
	Drop (out of box)	76cm on carpet, six-drop sequence		
	Drop (in box)	10 times drop including 6 faces, one corner and 3 edges on rigid surface. Drop Height: 91cm		
Approvals	CB, CE, FCC, ICES, EAC, NOM-NYCE SCT, RCM, BIS, VCCI, KC, BSMI			
Ergonomic compliance	TUVGS			

HP 125 USB-A Wired Keyboard (AMO only)		
Physical Characteristics	Keys	104, 105 layout (depending upon country)
	Dimensions (L x W x H)	17.04 x 5.55 x 0.52 in (433 x 141 x13.2 mm)
	Weight	1.54 lb. (698g)
Electrical	Operating voltage	5 VDC, +/-5%
	Power consumption	35mA (All LED on)
	System interface	USB Type A plug connector
	ESD	Contact Discharge: 8 KV Air Discharge: 15 KV
	EMI - RFI	Conforms to FCC rules for a Class B computing device
	Microsoft® PC 99 - 2001	Functionally compliant
Mechanical	Keycaps	Low-profile design
	Switch actuation	60±10g nominal peak force with tactile feedback
	Switch life	10 million keystrokes (Life tester)
	Switch type	Contamination-resistant switch membrane
	Key-leveling mechanisms	For all double-wide and greater-length keys
	Cable length	6 ft. (1.8 m)
	Microsoft PC 99 - 2001	Mechanically compliant
Environmental	Acoustics	43-dBA maximum sound pressure level
	Operating temperature	50° to 122° F (10° to 50° C)
	Non-operating temperature	-22° to 140° F (-30° to 60° C)
	Operating humidity	10% to 90% (non-condensing at ambient)
	Non-operating humidity	20% to 80% (non-condensing at ambient)
	Operating shock	40 g, six surfaces
	Non-operating shock	80 g, six surfaces
	Operating vibration	2-g peak acceleration

Not all configuration components are available in all regions/countries.
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Technical Specifications – Input/Output Devices

	Non-operating vibration	4-g peak acceleration
	Drop (out of box)	26 in (66 cm) on carpet, six-drop sequence
	Drop (in box)	30 in (76.2 cm) on concrete, 16-drop sequence
Approvals	UL, FCC, CE Mark, TUV GS, VCCI, BSMI, RCM, KCC	
Ergonomic compliance	TUVGS	
Kit contents	Keyboard, QSP	
Warranty Card	Product Notice	

HP Wired Desktop 320M Mouse (AMO only)		
Physical Characteristics	Keys	Left/right key
	Dimensions(L x W x H)	4.09 x2.50 x 1.40 in (103.8x 63.4 x 35.5 mm)
	Weight	0.16 lb(72g)
Electrical	Operating voltage	5 VDC, +/-0.25V
	Power consumption	100 mA Max
	System interface	USB Port
	ESD	Contact Discharge: 8 KV Air Discharge: 15 KV (Class B)
	EMI - RFI	European Standard EN 55022: 2006+A1: 2007, Class B. FCC/CFR 47 : Part 15 Class B
Mechanical	Keycaps	0.3mm key travel
	Key actuation	75±20g
	Key life	1million cycles
	Key structure type	Tact Switch
	Key-leveling mechanisms	N/A
Environmental	Operating temperature	10° to 90° C
	Non-operating temperature	-30° C to 95° C
	Operating humidity	N/A
	Non-operating humidity	10% to 90% (non-condensing at ambient)
	Operating shock	N/A

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Technical Specifications – Input/Output Devices

	Non-operating shock	i. Half-Sine Shock – End-Use Handling, Non-Operational
		Sample size: 5pcs.
		Condition: Sample power off.
		Axis: X, Y, Z axis (all 6 faces) – sample normal mode of operation.
		    Number of shocks: 1 shock/face.
		    Pulse duration: < 3 ms
		    Velocity change: 50lps (inch-per-second)- 65lps desired.
		
		ii. Trapezoidal Shock- Transportation Environment, Non-Operational
		Sample size: 5pcs.
		Condition: Sample power off.
		Orientation: All six faces: Front, Rear, Left, Right, Bottom, and Top.
		Configuration: As intended for shipment
		Number of shocks: 1 shock/face.
		Minimum faired acceleration: 30G's. Test also at 40 and 50G's to find margin.
		Velocity change: 266lps (inch-per-second) for product mass (m) 20<m<40lb.		

		Frequency (Hz)	Slope (dB/oct)	PSD (g²/Hz)
	Operating vibration	5-350	0	0.0001
		350-500	–6	-
		500	-	0.00005
		(~0.21G_{nms})		
		Total Test time: 10 minutes		

		Frequency (Hz)	Slope (dB/oct)	PSD (g²/Hz)
	Non-operating vibration	5.100	0	0.015
		100-137	–6	-
		137-350	0	0.008
		350-500	–6	-
		500	-	0.0039

	Drop (out of box)	76cm on carpet, six-drop sequence
	Drop (in box)	N/A
Approvals	CB, CE, FCC, cULus, ICES, EAC, NOM-NYCE SCT, RCM, VCCI, KC, BSMI	
Ergonomic compliance	TUVGS	

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Technical Specifications – Input/Output Devices

HP 125 USB-A Wired Mouse (AMO only)		
Dimensions (H x L x W)	4.21 x 2.64 x 1.52 in (107 x 67 x 38.7 mmm)	
Weight	0.19lb (90g)	
Environmental	Operating temperature	50° to 122°F (10° to 50° C)
	Non-operating temperature	-22° to 140°F (-30° to 60° C)
	Operating humidity	10% to 90% (non-condensing at ambient)
	Non-operating humidity	20% to 80% (non-condensing at ambient)
	Operating shock	50 g, 6 surfaces
	Non-operating shock	80 g, 6 surfaces
	Operating vibration	2 g peak acceleration
	Non-operating vibration	4 g peak acceleration
Electrical	Operating voltage	5 VDC, +/-5%
	Power consumption	12mA
Mechanical	Connector	USB 2.0
	Type	3D mouse (3 keys and wheel)
	Resolution	800, 1200, 1600 DPI
	Sensor	Pixart PAN3606DL
Tracking speed	Tracking acceleration	8G(max), 1G=9.8m/s2
	Cable length	6 ft. (1.8 m)
	Color	Jack Black
Regulatory approvals	Compliant	UL, FCC, CE Mark, TUV GS, VCCI, BSMI, RCM, KCC

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Technical Specifications – Audio/Multimeda

AUDIO/MULTIMEDIA

Audio (from Center)

Type	Integrated Mics and Speakers
HD Stereo Codec	IMX8-Nano 4 Core DSP Processor (in center)
Audio I/O Ports	Type C Dual Path Connection
Internal Speaker Amplifier	Up to 23W stereo class-D amplifier for internal speaker only.
Internal Analog to Digital converter	Ultra-low power Quad-Channel microphone ADC
Sampling	Independent sampling rates for DAC's and ADC's; supports resolution at 24-bit; 48 kHz
Wavetable Syntheses	Yes - Uses OS soft wavetable
Analog Audio	Yes (not supported)
Internal Speaker	Yes

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Technical Specifications – Power

POWER

HP Presence Mini Conferencing PC/Presence Hub/Presence Control Plus Console

Unit Environment and Operating Conditions

Temperature Range	Operating: 5°C ~35°C Non-Operating: -40°C ~66°C
Relative Humidity	Operating 5% to 90% relative humidity at max inlet temperature Non-Operating 5% to 90% relative humidity at max inlet temperature
Maximum Altitude (unpressurized)	Operating: 5000m Non-operating: 50,000 ft. (15240 m)

External Power Supplies	90W EPS, active PFC, 88% average efficiency at 115V & 89% at 230Vac
Operating Voltage Range	90Vac~264Vac
Rated Voltage Range	100Vac~240Vac
Rated Line Frequency	50HZ~60HZ
Operating Line Frequency	47HZ~63HZ
Rated Input Current	
Rated Input Current with Energy Efficient* Power Supply	90W≦1.2A
DC Output	+19.5V
Current Leakage (NFPA 99: 2012)	Less than 500 microamps of leakage current at 120 Vac with the ground wire disconnected, as required for Non-patient Electrical Appliances and Equipment used in a patient care facility or that contact patients in normal use. Per section 10.3.5.1. Less than 100 microamps of leakage current at 120 Vac with the ground wire intact with normal polarity, as required for Non-patient Electrical Appliances and Equipment used in a patient care facility or that contact patients in normal use. Per section 10.3.5.1.
Power cord length	6.0 ft. (1.83 m)
External Power Adapter	External power supply
Dimensions	90W: 132mm x 57mm x 30mm
Total Cord Length	6.0 ft. (1.83 m)

Not all configuration components are available in all regions/countries.
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Technical Specifications – Power

HP Presence Control Console and Audio/Video Soundbar

AC Adaptor		65W
Dimensions		3.543 x 2.008 x 1.122 in (9.0x5.1x2.85cm)
Weight		0.53 lb (240 g) max (Not including power cord. Power cord varies by country.)
Input	**Input Efficiency**	Average Efficiency of 25%, 50%, 75%, 100% load condition with 115Vac/230Vac Spec: 5V : 81.5% 9V : 86.7% 12V : 88.0% 15V : 89.0% 20V : 89.0%
	Input Frequency Range	47-63Hz
	Input AC current	Max. 1.6 A at 90 Vac
Output	**Output Power**	5V/15W 9V/27W 12V/60W 15V/65W 20V/65W
	DC Output	5V/9V/12V/15V/20V
	Hold-up Time	100% load 5ms at 115 Vac input
	Output Over Current Protection	< 8.0A
AC connector (Ac Inlet)		C6
DC Plug		USB Type-C
Environmental Design	**Operating Temperature**	32ºF to 95ºF (0ºto 35ºC)
	Non-operating (storage) Temperature	-4ºF to 185ºF (–20ºto 85ºC)
	Altitude	0 to 16,400 ft (0 to 5000m)
	Humidity	20% to 95%
	Storage Humidity	10% to 95%
EMI and Safety Certifications		CE Mark - full compliance with LVD and EMC directives Worldwide safety standards - IEC60950-1 and IEC62368-1 : 2018, EN62368-1:2014+A11, UL 62368-1 Agency approvals - C-UL-US, TUV/GS, TUV/PSE, EN55032 Class B, FCC Class B, CISPR32 Class B, CCC and CECP, CU(EAC), EAEU, KCC(Safety+EMC) and K-MEPS, NOM-001 and 029 NYCE, NRcan, NRCS, ISC, SEC, PSB, Argentina S-mark, Australia RCM, BIS, BSMI, UAE, UKCA DoC

The power supply shall comply with harmonic input current requirements as detailed in EN61000-3-2 and JEIDA MITI standards. The harmonic input current requirements must be met under the following operating conditions:
Load Requirements: 50% and 100%
Input Voltage: 230Vac/50Hz.
For active power factor correction the power factor at 50% &100% loads shall be greater than 0.9 over the entire nominal input voltage range (100-127VAC and 200-240VAC).

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Technical Specifications – Power

Condition	Standard Efficiency	82/85/82%	85/88/85%	87/90/87%	90/92/89%	Input Voltage
10% of Rated Load	-	75%	81%	84%	86%	115Vac/60HZ
20% of Rated Load	-	82%	85%	87%	90%	115Vac/60HZ
50% of Rated Load	-	85%	88%	90%	92%	115Vac/60HZ
	PF>0.9	PF>0.9	PF>0.9	PF>0.9	PF>0.95	
100% of Rated Load	70%	82%	85%	87%	89%	115Vac/60HZ
	PF>0.9	PF>0.9	PF>0.9	PF>0.9	PF>0.9	230Vac/50HZ

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Technical Specifications – Weights and Dimensions

WEIGHTS & DIMENSIONS

Mini PC Chassis (WxDxH)
6.97 x 6.89 x 1.35in
177 x 175 x 34mm

Mini PC System Volume
63.4 cu in
1.05L

Mini PC System Weight
3.13 lb
1.42 kg

Box Dimensions (WxDxH)

Platform box only
11.1 x 22.7 x 9.7-in
281 x 576 x 246 mm

Platform box with See Camera in large box
11.3 x 22.8 x 14.4-in
288 x 579 x 365 mm

Platform box with Audio Video Bar in large box
11.2 x 40.9 x 14.8-in
284 x 1039 x 376 mm

Product Kits Weights

HP Presence Small Space Solution with Zoom Rooms

Packaged Dimensions (LxWxH)	22.3 x 10.8 x 9.1 in (566 x 273 x 231 mm)
Weight	11.02 lb (7.72 kg)

HP Presence Small Space Solution Plus AI Camera with Zoom Rooms

Packaged Dimensions (LxWxH)	22.8 x 11.4 x 11.8 in (580 x 290 x 376 mm)
Weight	25.84 lb (11.72 kg)

HP Presence Small Space Solution Plus AI Video Bar with Zoom Rooms

Packaged Dimensions (LxWxH)	41.1 x 11.3 x 15.1 in (143 x 287 x 384 mm)
Weight	35.64 lb (16.16 kg)

HP Presence Medium Space Solution with Zoom Rooms

Packaged Dimensions (LxWxH)	22.3 x 10.8 x 9.1 in (566 x 273 x 231 mm)
Weight	21.21 lb (9.62 kg)

HP Presence Medium Space Solution Plus AI Camera with Zoom Rooms

Packaged Dimensions (LxWxH)	22.8 x 11.4 x 14.8 in (580 x 290 x 376 mm)
Weight	30.04 lb (13.62 kg)

HP Presence Medium to Large Space Solution Plus AI Camera/Mics with Zoom Rooms

Packaged Dimensions (LxWxH)	22.8 x 11.4 x 14.8 in (580 x 290 x 376 mm)
Weight	30.86 lb (14 kg)

HP Presence Large Space Solution with Zoom Rooms

Packaged Dimensions (LxWxH)	22.3 x 10.8 x 9.1 in (566 x 273 x 231 mm)
Weight	11.02 lb (7.72 kg)

Technical Specifications – Miscellaneous Features

MISCELLANEOUS FEATURES

Management Features

- Advanced Configuration and Power Management Interface (ACPI). Allows the system to wake from a low power mode. Controls system power consumption, making it possible to place individual cards and peripherals in a low-power or powered-off state without affecting other elements of the system.
- Intel® Wired for Management support; industry wide initiative to make Intel® architecture based PCs, servers and mobile computers more inherently manageable out-of-the-box and over the network
- Dual State Power Button; acts as both an on/off button and a suspend-to-sleep button

Serviceability Features

- Dual colored power LED on front of computer to indicate either normal or fault condition
- Diagnostic LED Explanation Table:
  - Power LED will blink red 2 to 5 times, then blink white 2 or more times, then repeat (with beep tones for each blink initially):
    - 2 red + 2 white   User must provide file for BIOS recovery (USB storage typically)
    - 2 red + 3 white   User must enter a key sequence to proceed with recovery by policy
    - 2 red + 4 white   BIOS recovery is in progress
    - 3 red + 2 white   Memory could not be initialized
    - 3 red + 3 white   Graphics adaptor could not be found
    - 3 red + 4 white   Power supply failure / not connected
    - 3 red + 5 white   Processor not installed
    - 3 red + 6 white   Current processor does not support an enabled feature
    - 4 red + 2 white   Processor has exceeded its temperature threshold / system thermal shutdown
    - 4 red + 3 white   System internal temperature has exceeded its threshold
    - 5 red + 2 white   System controller firmware is not valid
    - 5 red + 3 white   System controller detected BIOS is not executing
    - 5 red + 4 white   BIOS could not complete initialization / PCA failure
    - 5 red + 5 white   System controller rebooted the system after a health or recovery timer triggered
- HP PC Hardware Diagnostics UEFI:
  - This utility enables hardware level testing outside the operating system on many components. The diagnostics can be invoked by pressing F2 at POST, and is available as a download from HP Support
- System/Emergency ROM
- Flash ROM
- CMOS Battery Holder for easy replacement
- Flash Recovery with Video Configuration Record Software5 Aux Power LED on System PCA
- Processor ZIF Socket for easy Upgrade
- Over-Temp Warning on Screen (Requires IM Agents)
- DIMM Connectors for easy Upgrade
- Clear CMOS Button
- NIC LEDs (integrated) (Green & Amber)
- Dual Color Power and HD LED - To Indicate Normal Operations and Fault Conditions
- Color coordinated cables and connectors
- Tool-less Hood Removal
- Front power switch
- System memory can be upgraded without removing the system board or any internal components
- Tool-less Hard Drive, CD & Diskette Removal
- Green Pull Tabs, and Quick Release Latches for easy Identification

Not all configuration components are available in all regions/countries.
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Technical Specifications – Miscellaneous Features

Additional Features	Description
Mini Orientation	Product can be oriented as either a desktop (horizontal) or a tower (vertical)*
	Requires optional stand.
Drive Lock	Implementation of the industry standard ATA Security feature set. When enabled, it prevents software access to user data on the drive until one or two user-defined passwords are provided.
Boot Sectors Protection	MBR and GPT sectors of the hard drive are critical to booting the operating system. By saving the MBR or GPT data (depending on the how the OS was installed), the BIOS will be able to monitor for changes and allow the user to override them with the backup copy at boot-up.
Drive Protection System	DPS Access through F10 Setup during Boot (for SATA hard drive only)
	A diagnostic hard drive self- test. It scans critical physical components and every sector of the hard drive for physical faults and then reports any faults to the user
	Running independently of the operating system, it can be accessed through a Windows-based diagnostics utility or through the computer's setup procedure. It produces an evaluation on whether the hard drive is the source of the problem and needs to be replaced
	The system expands on the Self-Monitoring, Analysis, and Reporting Technology (SMART), a continuously running systems diagnostic that alerts the user to certain types of failures
SMART Technology (Self-Monitoring, Analysis and Reporting Technology)	Allows hard drives to monitor their own health and to raise flags if imminent failures were predicted
SMART I - Drive Failure Prediction	Predicts failures before they occur. Tracks fault prediction and failure indication parameters such as re-allocated sector count, spin retry count, calibration retry count
SMART II - Off-Line Data Collection	By avoiding actual hard drive failures, SMART hard drives act as "insurance" against unplanned user downtime and potential data loss from hard drive failure
SMART III - Off-Line Read Scanning with Defect Reallocation	IOEDC: I/O Error Detection Circuitry
SMART IV - End-to-End CRC for hard drives	Detects errors in Read/Write buffers on HDD cache RAM

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After Market Options

AFTER MARKET OPTIONS

HP Presence Accessories	Part Number
HP Presence Audio Video Bar	4V974AA
HP Presence See 4K AI Camera	4V975AA
HP Presence Talk Satellite Microphones (2)	4V976AA
HP Presence No Audio Control Center	4V978AA
HP Presence 15m Type-C Cable Kit	4V972AA
HP Presence 30m Type-C Cable Kit	4V973AA
HP Presence Control Table Mount Kit	4V979AA
HP Presence See Table Lock Kit	54N70AA
HP Presence Control Table Wall Mount Kit	4V980AA

HP Large Format Displays	Part Number
HP LD5513t Large Format Interactive Display	50J08AA#AC3
HP LD5513t Large Format Interactive Display	518R8AA#AC3
HP LD7513t Large Format Interactive Display	518W7AA#AC3
HP LD8613t Large Format Interactive Display	50R18AA#AC3
HP LD6502t Large Format Interactive Display	518R4AA#AC3
HP LD7502t Large Format Interactive Display	518S1AA#AC3
HP LD8502t Large Format Interactive Display	50R15AA#AC3

Mini Accessories	Part Number
HP Desktop Mini 90W Power Supply Kit	L4R65AA
HP Desktop Mini LockBox V2	3EJ57AA
HP Desktop Mini Security/Dual VESA Sleeve v3 with Power Supply Holder	13L68AA
HP Desktop Mini Vertical Chassis Stand	G1K23AA
HP Quick Release Bracket 2	6KD15AA

Data Storage Drives	Part Number
HP PCIe NVME TLC 256GB SSD M.2 Drive	1CA51AA

Input Devices	Part Number
HP Desktop Wired 320K Keyboard	9SR37AA
HP Desktop Wired 320M Mouse	9VA80AA
HP Desktop Wired 125 Keyboard	266C9AA
HP Desktop Wired 125 Mouse	265A9AA

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After Market Options

System Memory	Part Number
HP 4GB DDR4-2666 SODIMM	3TK86AA
HP 8GB DDR4-2666 SODIMM	3TK88AA
HP 4GB DDR4-3200 SODIMM	13L79AA
HP 8GB DDR4-3200 SODIMM	13L77AA

Security Devices	Part Number
HP Keyed Cable Lock 10mm	T1A62AA
HP Master Keyed Cable Lock 10mm	T1A63AA
HP Sure Key Cable lock	6UW42AA

Change Log

Date	Version History	Action	Description of Change
August 17, 2022	From v1 to v2	Update	65W ac adaptor table added / Processors, Software, Graphics sections and Intel Wi-Fi 6 AX201 with HP Integrated Module with Bluetooth tables corrected
September 16, 2022	From v2 to v3	Update	Zoom Rooms at Software section corrected
September 26, 2022	From v3 to v4	Correction	Features of HP Presence See 4k AI Camera (Optional with any platform) corrected
	From v4 to v5		
	From v5 to v6		

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