

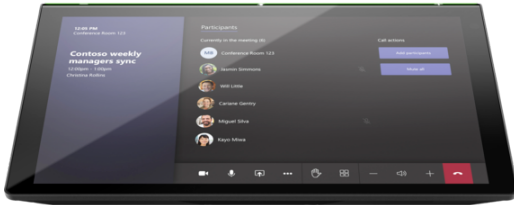


# HP Presence Small Space Solution Plus AI Camera with Microsoft Teams Rooms (641U4AW)

## Overview

### Be in the room from any room

AI-enhanced audio, cinematic 4K video, and engaging controls make virtual meetings more personal. HP Presence with Microsoft Teams Rooms<sup>[3]</sup> interacts intuitively with users providing an intelligent meeting experience and delivers useful real-time analytics back to IT. <sup>[5,6]</sup>



### Empower small spaces

Remove barriers to conferencing and connect your workforce with the HP Presence Control with Audio, HP Presence See 4K AI Camera, HP Presence Mini Conferencing PC, and HP Smart Set Up for huddle and small rooms.

### Quickly report issues

Report a room issue in two seconds. Remove the friction of reporting room issues like missing chairs, dry markers, trash, temperature issues, and more to IT, facilities, or the café admin with HP Presence Room Assistant.<sup>[9]</sup>

### Bring people together

The intelligent HP Presence See 4K AI Camera wakes on room entry and automatically adjusts the framing of the video with speaker tracking and picture-in-picture modes. The HP Presence Control provides natural room-filling sound.

# Features

## Protected by HP Wolf Security

HP Wolf Security for Business protects the BIOS with a hardware-enforced, always-on, resilient defense.<sup>[19]</sup>

## Wake your system on entry

Your HP Presence conferencing system utilizes HP Meeting Ready detection when you enter the room to wake your system so you can quickly start your meeting.

## Lifelike video

The camera follows you or multiple presenters as they move within the camera's frame with HP Auto Frame. HP Speaker Frame uses picture-in-picture to show the speakers expressions to build a connection with the audience.

## Clear videoconferencing, even in low light

How you're seen over video calls is as important as how you sound. Get vibrant clarity and make sure viewers never miss a visual cue, even in low lighting conditions with HP Lowlight Adjustment.

## Stand up and be heard

HP Dynamic Voice Leveling automatically enhances microphone gain to optimize voice clarity within 3-meters of the microphone. HP AI Noise Reduction uses noise-filtering technology to enhance audio and video conferencing experience even while wearing a mask.

## HP Rapid Echo Cancellation

Remove echo for participants not in the room with HP Presence microphones equipped with HP Rapid Echo Cancellation.

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*[3] Microsoft Teams Rooms software preinstalled. Subscription to Microsoft Teams Rooms required and sold separately.*

*[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 [www.hp.com/hp-presence-insights-tos](http://www.hp.com/hp-presence-insights-tos).*

*[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 [www.hp.com/hp-presence-insights-tos](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 [www.hp.com/hp-presence-insights-tos](http://www.hp.com/hp-presence-insights-tos).*

*[9] HP Presence Room Assistant is included with HP Presence Insights. HP Presence Insights is included through December 31, 2022 and functionality will then revert to HP Presence Manager. Purchase of 1–5-year*

*license is required thereafter. HP Presence Manager and HP Presence Insights 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 [www.hp.com/hp-presence-insights-tos](http://www.hp.com/hp-presence-insights-tos).*

*[19] HP Wolf Security for Business on HP Presence Room Solutions includes HP Sure Start and HP Secure Erase.*

## Specifications

<b>Operating system</b>	Windows 10 IoT Enterprise SAC <sup>[1]</sup>
<b>Processor family</b>	10th Generation Intel® Core™ i5 processor
<b>Processor</b>	Intel® Core™ i5-10500T (2.3 GHz base frequency, up to 3.8 GHz with Intel® Turbo Boost Technology, 12 MB L3 cache, 6 cores) <sup>[6,7]</sup>
<b>Processor technology</b>	Intel® Core™ i5 with vPro® Technology <sup>[2]</sup>
<b>Chipset</b>	Intel® Q470 (vPro®)
<b>Memory</b>	8 GB DDR4-2666 MHz RAM (2 x 4 GB) <sup>[4,8]</sup>
<b>Memory Slots</b>	2 SODIMM
<b>Internal Storage</b>	256 GB PCIe® NVMe™ M.2 SSD <sup>[9]</sup>
<b>Graphics</b>	Integrated
<b>Graphics (integrated)</b>	Intel® UHD Graphics 630
<b>Display</b>	20.3 cm (8") diagonal, HD (1280 x 800), WLED-backlit touch screen, anti-glare (Control Center)
<b>Display</b>	8" diagonal, HD (1280 x 800), WLED-backlit touch screen, anti-glare (Control Center)
<b>Audio</b>	2 x 2.52 in stereo speakers, 4-corner (360°) integrated microphones, 4 m pickup range (included in HP Presence Control Center)
<b>Minimum dimensions (W x D x H)</b>	17.7 x 17.5 x 3.4 cm (Mini Conferencing PC); 6.52 x 22.66 x 19.33 cm (Control Center); 10 x 10 x 19.6 cm (table stand camera); 8.1 x 9.8 x 8.1 cm (wall mount camera)
<b>Minimum dimensions (W x D x H)</b>	6.97 x 6.89 x 1.35 in (Mini Conferencing PC); 2.56 x 8.92 x 7.61 in (Control Center); 3.52 x 3.52 x 6.89 in (table stand camera); 3.18 x 3.85 x 3.18 in (wall mount camera)
<b>Weight</b>	1.42 kg (Mini Conferencing PC); 1.65 kg (Control Center); 0.44 kg (table stand camera); 0.26 kg (wall mount camera)
<b>Weight</b>	3.13 lb (Mini Conferencing PC); 3.64 lb (Control Center); 0.96 lb (table stand camera); 0.57 lb (wall mount camera)
<b>Camera</b>	12 MP 2160p 4K UHD up-down rotational AI camera
<b>Ports</b>	1 power connector; 1 RJ-45; 2 SuperSpeed USB Type-A 10Gbps signaling rate; 2 SuperSpeed USB Type-A 5Gbps signaling rate; 2 DisplayPort™ 1.4; 2 HP Presence Control Ports; 1 SuperSpeed USB Type-C® 5Gbps signaling rate (recommended for 4K AI camera or Audio Video Bar); 1 HDMI 2.0a (recommended as primary output port) <sup>[11]</sup>
<b>Expansion slots</b>	1 M.2 2230; 2 M.2 2242/2280 (1 M.2 slot for WLAN and 2 M.2 2242/2280 slot for storage.)
<b>Ports</b>	1 SuperSpeed USB Type-C® 10Gbps signaling rate; 1 SuperSpeed USB Type-A 10Gbps signaling rate; 1 SuperSpeed USB Type-A 5Gbps signaling rate; 1 3.5 mm audio Jack
<b>Package dimensions (W x D x H)</b>	58 x 29 x 37.6 cm

<b>Package weight</b>	11.72 kg
<b>Wireless</b>	Intel® Wi-Fi CERTIFIED 6™ AX201 (2x2) and Bluetooth® 5.1 combo, vPro®
<b>Power</b>	65 W external power adapter, up to 89% efficiency (Control Center); 90 W external power adapter, up to 89% efficiency (Mini Conferencing PC)
<b>Ecolabels</b>	EPEAT® registered
<b>Energy star certified</b>	ENERGY STAR® certified
<b>Management features</b>	HP Client Catalog (download); HP Driver Packs (download); HP Image Assistant Gen 5 (download); HP Client Management Script Library (download); HP Manageability Integration Kit (download); HP Presence Manager; HP Presence Insights <sup>[12,13,14]</sup>
<b>Sustainable impact specifications</b>	Molded paper pulp cushion inside box is 100% sustainably sourced and recyclable; Outside box and corrugated cushions are 100% sustainably sourced and recyclable; Ocean-bound plastic in speaker enclosure, I/O strip and bezel frame; Recycled Plastic cushions
<b>Security management</b>	HP Wolf Security for Business includes: HP Sure Start Gen7, HP Secure Erase <sup>[18,19]</sup>
<b>Software included</b>	Microsoft Teams Rooms; HP Privacy Settings; HP Desktop Support Utilities; HP TechPulse; HP Presence Smart Setup; HP Cloud Endpoint Manager; HP Presence App <sup>[15,16,17]</sup>
<b>UPC number</b>	(A2K) 196548103645; (A2N) 196548103898; (A2Q) 196548104222; (AB0) 196548103669; (AB1) 196548103683; (AB2) 196548103713; (AB4) 196548103690; (AB5) 196548103720; (AB6) 196548103867; (AB7) 196548103928; (AB8) 196548103935; (AB9) 196548103959; (ABA) 196548058143; (ABB) 196548103942; (ABC) 196548103911; (ABD) 196548103973; (ABE) 196548103966; (ABF) 196548103980; (ABG) 196548103751; (ABH) 196548103997; (ABJ) 4573595769950; (ABM) 196548103881; (ABN) 196548104000; (ABT) 196548104017; (ABU) 196548104024; (ABV) 196548104215; (ABY) 196548104048; (ABZ) 196548104055; (AC4) 196548103836; (AC8) 196548103850; (ACB) 196548104239; (ACF) 4573595769967; (ACH) 196548915545; (ACJ) 196548103744; (ACQ) 196548104062; (AK8) 196548104031; (AKC) 196548104109; (AKD) 196548104086; (AKE) 196548104093; (AKH) 196548915538; (AKL) 196548103768; (AKQ) 196548104079; (AKS) 196548104116; (AR6) 196548103782; (ARE) 196548103843; (B10) 196548104147; (B1R) 196548104123; (BCM) 196548104161; (BED) 196548104130; (UUF) 196548103829; (UUG) 196548104185; (UUW) 196548104192; (UUZ) 196548915514
<b>What's in the box</b>	HP Presence Port Cover; HP Mini Security Dual VESA Sleeve v3 with Power Supply Holder; HP Presence Control Center; HP Presence Multi-Port Adapter; HP DisplayPort to HDMI True 4k Adapter; T10/T4 Torq wrench; HP Presence Mini Conferencing PC with preloaded Win IoT Enterprise and Microsoft Teams Rooms; HP 90 W Power Supply; HP 65 W USB-C Power Supply; HP Presence 5 m USB-C Cable (with clips); HP See Presence 4K AI Camera (includes camera, wall mount, table mount, 5 m right angle cable, and clips)

## Additional specifications

<b>Bluetooth version</b>	Bluetooth® 5.1
<b>Datasheet photo 1</b>	AHID/cc969c06f38aa6260f09c57b228209b5a8bb82ee
<b>Datasheet photo 2</b>	AHID/4fe1dfd947514521b37cc791cb4161ffbab462c0
<b>Datasheet photo 3</b>	AHID/f8ee8afa5e2b2527392ddd3e932baf44c16636ed
<b>Datasheet photo 4</b>	AHID/c4a135cb42792948e4ef649ea976ef3df6a1eb21
<b>ECC memory</b>	non-ECC
<b>I/O Port location</b>	Front
<b>I/O Port location</b>	Rear
<b>Legal tagline</b>	Windows 10 IoT Enterprise
<b>Memory and storage</b>	8 GB memory; 256 GB SSD storage
<b>Memory layout (slots &amp; size)</b>	2 x 4 GB
<b>Memory module type</b>	SODIMM
<b>Memory size</b>	8
<b>Memory size uom</b>	GB
<b>Memory speed</b>	2666
<b>Memory speed uom</b>	MHz
<b>Memory type</b>	DDR4
<b>Number of memory slots</b>	2
<b>Operating humidity range</b>	10 to 90% RH
<b>Operating system</b>	Windows 10 IoT Enterprise
<b>Operating temperature range</b>	50 to 95°F
<b>Operating temperature range</b>	10 to 35°C
<b>Package dimensions (W x D x H)</b>	22.8 x 11.4 x 14.8 in
<b>Package weight</b>	25.84 lb
<b>Playbook TS icon OS</b>	<a href="http://h10003.www1.hp.com/digmedialib/prodimg/lowres/c03905482.png">http://h10003.www1.hp.com/digmedialib/prodimg/lowres/c03905482.png</a>
<b>Playbook TS icon connectivity</b>	<a href="http://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08201987.png">http://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08201987.png</a>
<b>Playbook TS icon dimensions tower</b>	<a href="https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08201997.png">https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08201997.png</a>
<b>Playbook TS icon graphics</b>	<a href="https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08169202.png">https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08169202.png</a>
<b>Playbook TS icon memory</b>	<a href="https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08267700.png">https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08267700.png</a>
<b>Playbook TS icon processor</b>	<a href="https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08201972.png">https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08201972.png</a>
<b>Playbook TS icon storage</b>	<a href="http://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08192819.png">http://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08192819.png</a>
<b>Playbook TS icon weight imperial</b>	<a href="http://h10003.www1.hp.com/digmedialib/prodimg/lowres/c05790117.png">http://h10003.www1.hp.com/digmedialib/prodimg/lowres/c05790117.png</a>

<b>Playbook TS icon weight metric</b>	<a href="https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08267650.png">https://h10003.www1.hp.com/digmedialib/prodimg/lowres/c08267650.png</a>
<b>Processor Brand</b>	Intel®
<b>Processor base frequency</b>	2.3
<b>Processor cache</b>	12 MB L3
<b>Processor core</b>	6
<b>Processor family</b>	Core™ i5
<b>Processor frequency UOM</b>	GHz
<b>Processor frequency technology</b>	Intel® Turbo Boost Technology
<b>Processor generation</b>	10th Generation
<b>Processor maximum frequency</b>	3.8
<b>Processor maximum frequency uom</b>	GHz
<b>Processor model</b>	10500T
<b>Processor threads</b>	12
<b>Product brand name</b>	HP
<b>Product long name specifications</b>	HP Presence Small Space Solution Plus AI Camera with Microsoft TeamsRooms, Windows 10 IoT Enterprise SAC, Intel® Core™ i5, 8GB RAM, 256GB SSD
<b>Product short name specifications</b>	HP Presence Small Space Solution Plus AI Camera with Microsoft TeamsRooms, Intel® Core™ i5, 8GB RAM, 256GB SSD
<b>Services</b>	HP Presence Exchange <sup>[25]</sup>
<b>Standard memory note</b>	Transfer rates up to 2666 MT/s.
<b>Storage capacity</b>	256
<b>Storage capacity uom 01</b>	GB
<b>Storage form factor 01</b>	M.2
<b>Storage interface 01</b>	PCIe®
<b>Storage interface protocol 01</b>	NVMe™
<b>Storage type 01</b>	SSD
<b>UNSPSC code</b>	43211507
<b>Wireless Model</b>	Wi-Fi CERTIFIED 6™ AX201
<b>Wireless antenna</b>	2x2
<b>Wireless standard</b>	Wi-Fi CERTIFIED 6™
<b>Wireless supplier</b>	Intel®
<b>Wireless transfer speeds</b>	Supporting Gigabit data rate
<b>vPro enabled</b>	vPro®

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[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>.

[2] For full Intel® vPro® functionality, Windows 10 Pro 64 bit, a vPro supported processor, vPro enabled chipset, vPro enabled wired LAN and/or WLAN card and TPM 2.0 are required. Some functionality requires additional 3rd party software in order to run. See <http://intel.com/vpro>.

[4] Due to the non-industry standard nature of some third-party memory modules, we recommend HP branded memory to ensure compatibility. If you mix memory speeds, the system will perform at the lower memory speed.

[6] 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 measurement of higher performance.

[7] Intel® Turbo Boost performance varies depending on hardware, software and overall system configuration. See <http://www.intel.com/technology/turboboost/> for more information.

[8] All memory slots are customer accessible/upgradeable.

[9] For storage drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 30 GB (for Windows) of disk is reserved for system recovery software.

[11] Guest mode will not be available using the front USB-C® port or using the rear DisplayPort™ port on the HP Mini.

[12] HP Manageability Integration Kit can be downloaded from <http://www.hp.com/go/clientmanagement>.

[13] 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 [www.hp.com/hp-presence-insights-tos](http://www.hp.com/hp-presence-insights-tos).

[14] 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 [www.hp.com/hp-presence-insights-tos](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 [www.hp.com/hp-presence-insights-tos](http://www.hp.com/hp-presence-insights-tos).

[15] Microsoft Teams Rooms software preinstalled. Subscription to Microsoft Teams Rooms required and sold separately.

[16] 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>.

[17] HP Cloud Endpoint Manager is licensed by the terms of the HP Presence Insights Terms of Service [www.hp.com/hp-presence-insights-tos](http://www.hp.com/hp-presence-insights-tos).

[18] HP Secure Erase for the methods outlined in the National Institute of Standards and Technology Special Publication 800-88 "Clear" sanitation method.

[19] HP Sure Start Gen7 is available on select HP PCs.

[25] HP Presence Exchange is a separately purchased service.



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