

DSZ-65

Stereo Zoom Microscopes



Features



22mm Wide
Field Eyepieces



Swinging Adjustment
of View



Ring Illumination
Light



Black/White Plate



Trinocular with
Camera Option



LED Incident and
Transmittal Light
(Standard)



Auxiliary Lens



Integrated Control for
LED Light





DSZ-65

Trinocular ObservationHead	. Observation head inclined at 45° rotatable at 360°, split ration 50:50, Vertical phototube for micro photography. Diopter adjustment ring on both eyepieces (±5). Inter-pupillary distance from 51mm to 75mm
EYEPIECE	Wide field 10X (paired) F.O.V. 23mm or WF15x/16 high eyepoint, screw With retractable rubber cups
ZOOM RATIO	Zoom 0.65X to 6.5X with magnification ratio of 1:10
ZOOM OBJECTIVE	0.65x-6.5x parfocal achromatic zoom
MAGNIFICATION RANGE	6.5 X-65X continuous with 10x eyepiece
WORKING DISTANCE	102/110 mm

MECHANICAL BODY	Track stand with fan type base, translucent & white disc with sample clip, Lateral zoom control movement. Reflected & transmitted LED illuminator. Clip for holding specimen. Base size is 285mm X 238mm.
FOCUSING	Coaxial fine and coarse focusing mechanism, total travel 50mm , total travel per single rotation 0.2mm, fine graduation 100, fine resolution 2μ, with adjustable tension control integrated Cylindrical Roller guide.
ILLUMINATION SYSTEM	Incident and transmitted light systems with LED lamps. Both lights are regulated with power supply and has separate brightness controls.
INCIDENT & TRANSMITTED	Incident Illumination: Two flexible gooseneck arms with white 3.6W LED/each (total 7.2W) brightness control. Illuminance: 170000 lux (at 10cm distance). Colour temperature 6300K Transmitted Illumination: 60 LEDs geometrically arranged disc with 4W white LED, illuminance 8000 lux, color temperature 6300K, multi-plug 100-240V AC/12V DC external power supply.
PACKING & ACCESSORIES	Operating manual, dust cover, cleaning kit, protective glass for stereohead, antibacterial surface treatment
Optional Accessories	Auxiliary Lens 0.3X, 2X, 0.5X Eyepiece 20X/12mm

Configurations





ACVT-20 (20MP CMOS CAMERA)

ACVT Series cameras are high end microscope cameras, specially designed for microscope application. Adopt large area array high performance SONY sensor, with image buffer technology. Have various outstanding features like Low noise, High definition, Excellent color reproduction and stable transmission etc.

Digital camera resolution: - 20MP (5440 x 3648)

Signal output: -USB 3.0

Sensor Size: - 1"

Sensor technology: - CMOS

Sensor type: - CMOS

Image format: 3/2

Pixel size: - 2.4 x 2.4 μm

Frame rate full resolution: 15 fps (5440 x 3648)

Frame rate other resolutions: 50 fps (2736 x 1824); 60 fps (1824 x 1216)

Sensitivity: 462 mV at 1/30sec

Dark signal: 0.21 mV at 1/30sec

ADC Conversion: 8 Bit - 12 Bit

Color Depth: 1 Bit; 4 Bit; 8 Bit; 24 Bit

Exposure Time: 0.1 msec - 15 sec

Binning: 1x1; 2x2

IR filter: 380-650 nm (IR-cut filter)

Camera power: PC USB

C-mount: YES

Working Temperature: -10°C up to +50°C

Storage Temperature: - -20°C up to +60°C

Relative Humidity: - 30% to 80%

Storage Humidity: - 10% to 60%

An Image Capturing Software has provided alongwith camera at free of cost for image analysis, capturing & recording etc.

IMAGING CAMERAS



MODEL: ACVT-20



HP Pro Tower 400 G9 PCI Desktop PC

All the essentials for your growing business needs

The HP Pro Tower 400 provides users with commercial-grade performance, security, and scalability for growing businesses. This PC is powered by the latest Intel® processor² and protected with always-on security you can trust.

Commercial-grade performance

Power through your day with the essential computing power to maintain productivity. Get the latest Intel® Core™ processor² and choose from graphics, storage, and memory options to meet the needs of your growing business.

Boost your productivity

Increase productivity with support for up to seven displays⁴, while featuring the performance to tackle a range of workflows with up to 64 GB³ DDR5 memory and optional graphics—NVIDIA® Quadro T400, NVIDIA® GeForce RTX™ 3050, Intel® Arc™ A380, or AMD Radeon™ RX 6300.³

Protected by HP Wolf Security

HP Wolf Security for Business⁵ creates a hardware-enforced, always-on, resilient defense. From the BIOS to the browser, above, in, and below the OS, these constantly evolving solutions help protect your PC from modern threats.



*Product image may differ from actual product

Sustainability in action

Help protect our shared future

Support a commitment to create and use more sustainable products on the EPEAT® registered⁶ HP Pro Tower 400. The high-efficiency power supply, use of ocean-bound plastics in the speaker box⁷ and molded-pulp packaging⁸ help reduce the impact on the environment.



HP Pro Tower 400 G9 PCI Desktop PC

Featuring

HP Recommends Windows 11 Pro for Business

Work anywhere without compromising on performance with Windows 11 and HP collaboration, security, and connectivity technology.¹

Latest Intel® processor

Configure your desktop's CPU for the perfect combination of performance, power consumption, and value. With the latest Intel® processor, handle multiple work tasks smoothly and reliably with multiple processing cores to divide up the work.²

Built for reliability

Rest easy with a PC that undergoes MIL-STD 810 testing and 120,000 hours of the HP Total Test Process. Reduce airborne particulate intake with an optional dust filter that helps extend the life of your PC.^{10,11,12}

Powerhouse memory

Experience the speed and performance to run resource-intensive apps with minimal lag with up to 64 GB DDR5 memory options. Prepare for the future and ensure your system is ready for upcoming software demands with advanced DDR5 technology.³

Integrated graphics' options

Boost your desktop's performance with integrated graphics. Enable fast execution for your computing and multimedia graphics workloads.³

Convenient, configurable port options

Choose the perfect solution to connect your additional devices with either an SD card reader or a dual USB flex I/O port. Easily access your chosen port practically placed on the front bezel of your HP Pro Tower.³

BIOS management over the network

HP Sure Admin, a modern BIOS management tool, eliminates the need for a password or BIOS configuration utility in the OS by creating a digital signature that allows IT administrators to securely manage BIOS settings over a network.¹³

Browse confidently

Help protect your PC from websites and read-only Microsoft Office and PDF attachments with malware, ransomware, or viruses with hardware-enforced security from HP Sure Click.¹⁴

A self-healing solution

Firmware attacks can completely devastate your PC. Stay protected with HP Sure Start, the self-healing BIOS that automatically recovers itself from attacks or corruption.¹⁵

Easy-access USB Type-C® port

Effortlessly transfer large files or videos and connect peripherals with a convenient USB Type-C® port on the front panel of your PC.

HP desktop and display—better together

Choose Full HD resolution or higher with full compatibility and support for HP displays, featuring offerings from supreme value to premium, and everything in between.^{16,17}



HP Pro Tower 400 G9 PCI Desktop PC

Technical specifications

Available Operating Systems	Windows 11 Pro ¹ Windows 11 Pro Education ¹ Windows 11 Home – HP recommends Windows 11 Pro for business ¹ Windows 11 Home Single Language – HP recommends Windows 11 Pro for business ¹ FreeDOS
Processor family ⁴	Intel® Pentium® processor Intel® Celeron® processor 13th Generation Intel® Core™ i9 processor 13th Generation Intel® Core™ i7 processor 13th Generation Intel® Core™ i5 processor 13th Generation Intel® Core™ i3 processor 12th Generation Intel® Core™ i9 processor 12th Generation Intel® Core™ i7 processor 12th Generation Intel® Core™ i5 processor 12th Generation Intel® Core™ i3 processor Intel® Core™ i3 14th generation processor Intel® Core™ i5 14th generation processor Intel® Core™ i7 14th generation processor
Available Processors ^{25,26,28,29}	Intel® Pentium® Gold G7400 with Intel® UHD Graphics (3.7 GHz P-core base frequency, 6 MB L3 cache, 2 P-cores, 4 threads) Intel® Celeron® G6900 with Intel® UHD Graphics (3.4 GHz P-core base frequency, 4 MB L3 cache, 2 P-cores, 2 threads) Intel® Core™ i5-12600 with Intel® UHD Graphics (3.3 GHz P-core base frequency, up to 4.8 GHz P-core Max Turbo frequency, 18 MB L3 cache, 6 P-cores, 12 threads), supports Intel® vPro® Technology Intel® Core™ i5-12500 with Intel® UHD Graphics (3.0 GHz P-core base frequency, up to 4.6 GHz P-core Max Turbo frequency, 18 MB L3 cache, 6 P-cores, 12 threads), supports Intel® vPro® Technology Intel® Core™ i3-12300 with Intel® UHD Graphics (3.5 GHz P-core base frequency, up to 4.4 GHz P-core Max Turbo frequency, 12 MB L3 cache, 4 P-cores, 8 threads) Intel® Core™ i3-12100 with Intel® UHD Graphics (3.3 GHz P-core base frequency, up to 4.3 GHz P-core Max Turbo frequency, 12 MB L3 cache, 4 P-cores, 8 threads) Intel® Core™ i7-12700 with Intel® UHD Graphics (1.6 GHz E-core base frequency, 21 GHz P-core base frequency, up to 3.6 GHz E-core Max Turbo frequency, up to 4.8 GHz P-core Max Turbo frequency, up to 4.9 GHz with Intel® Turbo Boost Technology, 25 MB L3 cache, 8 P-cores and 4 E-cores, 20 threads), supports Intel® vPro® Technology Intel® Core™ i3-13100 (4.5 GHz P-core base frequency, up to 3.4 GHz P-core Max Turbo frequency, 12 MB L3 cache, 8 P-cores and 0 E-cores, 8 threads) Intel® Core™ i7-13700 (1.5 GHz E-core base frequency, 21 GHz P-core base frequency, up to 4.1 GHz E-core Max Turbo frequency, up to 5.1 GHz P-core Max Turbo frequency, 30 MB L3 cache, 8 P-cores and 8 E-cores, 24 threads), supports Intel® vPro® Technology Intel® Core™ i5-13500 (1.8 GHz E-core base frequency, 2.5 GHz P-core base frequency, up to 3.5 GHz E-core Max Turbo frequency, up to 4.8 GHz P-core Max Turbo frequency, 24 MB L3 cache, 6 P-cores and 8 E-cores, 20 threads), supports Intel® vPro® Technology Intel® Core™ i5-12400 with Intel® UHD Graphics (2.5 GHz P-core base frequency, up to 4.4 GHz P-core Max Turbo frequency, 18 MB L3 cache, 6 P-cores, 12 threads), supports Intel® vPro® Technology Intel® Core™ i3-14100 (3.5 GHz P-core base frequency, up to 4.7 GHz P-core Max Turbo frequency, 12 MB L3 cache, 4 P-cores and 0 E-cores, 8 threads) Intel® Core™ i5-14600 with Intel UHD Graphics (2.0 GHz E-core base frequency, 2.7 GHz P-core base frequency, up to 3.9 GHz E-core Max Turbo frequency, up to 5.2 GHz P-core Max Turbo frequency, 24 MB L3 cache, 6 P-cores and 8 E-cores, 20 threads), supports Intel® vPro® Technology Intel® Core™ i7-14700 with Intel UHD Graphics (1.5 GHz E-core base frequency, 21 GHz P-core base frequency, up to 4.2 GHz E-core Max Turbo frequency, up to 5.3 GHz P-core Max Turbo frequency, 33 MB L3 cache, 8 P-cores and 12 E-cores, 28 threads), supports Intel® vPro® Technology Intel® Core™ i5-14500 with Intel UHD Graphics (1.9 GHz E-core base frequency, 2.6 GHz P-core base frequency, up to 3.7 GHz E-core Max Turbo frequency, up to 5.0 GHz P-core Max Turbo frequency, 24 MB L3 cache, 6 P-cores and 8 E-cores, 20 threads), supports Intel® vPro® Technology Intel® Core™ i5-14400 with Intel UHD Graphics (1.8 GHz E-core base frequency, 2.5 GHz P-core base frequency, up to 3.5 GHz E-core Max Turbo frequency, up to 4.7 GHz P-core Max Turbo frequency, 20 MB L3 cache, 6 P-cores and 4 E-cores, 16 threads) Intel® Core™ 300 with Intel® UHD Graphics (3.9 GHz P-core base frequency, 6 MB L3 cache, 2 P-cores, 4 threads)
Chipset ²⁸	Intel® Q670
Form factor	Tower
Maximum memory	64 GB DDR4-3200 SDRAM; 64 GB DDR5-5600 SDRAM; ^{6,7} Transfer rates up to 3200 MT/s; Transfer rates up to 5600 MT/s.
Memory slots	2 DIMM
Internal storage	1 TB up to 2 TB SATA HDD ^{3,32} 256 GB up to 1 TB PCIe® NVMe™ M.2 SSD ^{3,32} 256 GB up to 2 TB PCIe® NVMe™ TLC M.2 SSD ^{3,32} 256 GB up to 512 GB PCIe® NVMe™ SED Opal 2 TLC M.2 SSD ^{3,32} 256 GB up to 512 GB PCIe® NVMe™ SED Opal 2 M.2 SSD ^{3,32}
Optical drive	HP 9.5 mm Slim DVD-Writer; HP 9.5 mm Slim DVD-ROM
Available Graphics	Integrated: Intel® UHD Graphics 730; Intel® UHD Graphics 770 Discrete: NVIDIA® T400 4 GB; NVIDIA® T400 2 GB; NVIDIA® GeForce RTX™ 3050 (8 GB GDDR6 dedicated); Intel® Arc™ A380 Graphics (6 GB GDDR6 dedicated); AMD Radeon™ RX 6300 Graphics (2 GB GDDR6 dedicated) ²⁰
Audio	Realtek ALC3252 codec, universal audio jack with CTIA and OMTP headset support
Expansion slots	1 M.2 2230; 1 M.2 2280; 1 PCIe x1; 1 PCI; 1 PCIe 4 x16 ¹⁰ (1 M.2 2230 slot for WLAN and 1 M.2 2280 slot for storage.)
Ports and connectors	Front: 1 headphone/microphone combo; 1 SuperSpeed USB Type-C® 10Gbps signaling rate; 3 SuperSpeed USB Type-A 10Gbps signaling rate ; Rear: 1 audio-out; 1 power connector; 1 RJ-45; 1 HDMI 1.4; 3 SuperSpeed USB Type-A 5Gbps signaling rate; 1 DisplayPort™ 1.4; 2 USB Type-A 480Mbps signaling rate ; Optional Ports: Add-on card – choose one of the following options: 4x Serial, serial and PS/2 ports combination or parallel; Add-on port: 1 serial; Flex IO rear port – choose one of the following options: 1 DisplayPort™ 1.4, 1 VGA, 1 HDMI 2.0b, 1 serial, 1 SuperSpeed USB Type-C® 10Gbps signaling rate (alternate mode DisplayPort™), 1 Dual SuperSpeed USB Type-A 5Gbps signaling rate; Flex IO front port – 1 Dual SuperSpeed USB Type-A 5Gbps signaling rate ²⁷
Input devices	HP PS/2 Business Slim Keyboard; HP USB Business Slim SmartCard CCID Keyboard; HP 125 Wired Keyboard; HP 125 Antimicrobial Wired Keyboard; HP 655 Wireless Keyboard and mouse combo; HP USB 320K Keyboard®; HP PS/2 mouse; HP Wired Desktop 320M mouse; HP 125 Wired Mouse; HP 128 Laser Wired Mouse; HP 125 Antimicrobial Wired Mouse ⁹
Communications	LAN: Integrated Intel® I219LM GbE LOM; Intel® I225-T1 PCIe® 2.5 GbE; Intel® I226-T1 PCIe® 2.5 GbE ¹¹ ; WLAN: Intel® Wi-Fi 6E AX211 (2x2) and Bluetooth® 5.3 wireless card, vPro®; Intel® Wi-Fi 6E AX211 (2x2) and Bluetooth® 5.3 wireless card, non-vPro®; Intel® Wi-Fi 6E AX211 (2x2) and Bluetooth® 5.3 wireless card with external antenna; Realtek RTL8821CE 802.11a/b/g/n/ac (1x1) Wi-Fi® and Bluetooth® 4.2 wireless card; Realtek RTL8852AE 802.11a/b/g/n/ax (2x2) Wi-Fi® and Bluetooth® 5.2 wireless card ^{12,28}
Drive Bays	Two 3.5" HDD
Environmental	Operating temperature: 10 to 35°C; Operating humidity: 10 to 90% RH
Software	HP Notifications; HP PC Hardware Diagnostics UEFI; HP Support Assistant; HP Connection Optimizer; HP Privacy Settings; HP Desktop Support Utilities; HP Easy Clean; HP Setup Integrated OOB; Buy Microsoft Office (sold separately); HP Services Scan; HPX for CMIT ²²
Available software	HP Smart Support ⁸
Security management	Trusted Platform Module TPM 2.0 Embedded Security Chip shipped with Windows 10 (Common Criteria EAL4+ Certified)(FIPS 140-2 Level 2 Certified); HP Secure Erase; HP Sure Click; Absolute Persistence module; HP Sure Admin; HP Tamper Lock; HP Sure Start Gen7; HP Sure Sense ² ; HP Platform Certificate On Device Installation
Security Software Licenses	HP Wolf Pro Security Edition ⁵⁶



HP Pro Tower 400 G9 PCI Desktop PC

Technical specifications

Management features	HP Client Catalog (download); HP Driver Packs (download); HP Cloud Recovery; HP Image Assistant Gen 5 (download); HP Client Management Script Library (download); HP Manageability Integration Kit (download); HP Patch Assistant (download); HP Connect ²⁴
Memory card device	1 SD 4.0 card reader
Power	180 W internal power supply, up to 90% efficiency, active PFC; 400 W internal power supply, up to 92% efficiency, active PFC; 260 W internal power adapter, up to 92% efficiency, active PFC
Dimensions	15.5 x 30.8 x 33.7 cm; 40 x 28.7 x 49.9 cm (Package)
Weight	5.31 kg; (Weight will vary by configuration)
Ecolabels	EPEAT registered with Climate+ ⁵



HP Pro Tower 400 G9 PCI Desktop PC

Footnotes

Messaging Footnotes

² Multicore 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.

³ Optional feature that must be configured at the time of purchase.

⁴ Two standard video ports included with an optional third flex port configurable at the time of purchase. Up to 6 displays supported when config with NVIDIA® Quadro T400 (2 native + 1 optional flex + 3 on GFX), up to 5 displays supported when config with AMD Radeon™ RX6300 (2 native + 1 optional flex + 2 on GFX), up to 7 displays supported when config with NVIDIA® GeForce RTX™ 3050 & Intel® Arc™ A380 GFX (2 native + 1 optional flex + 4 on GFX).

⁵ HP Wolf Security for Business requires Windows 10 or 11 Pro or higher, includes various HP security features and is available on HP Pro, Elite, Workstation, and RPOS products. See product details for included security features.

⁶ EPEAT® registered where applicable. EPEAT® registration varies by country. See <http://www.epeat.net> for registration status in your country.

⁷ Speaker enclosure component contains 5% ocean-bound plastic by weight.

⁸ Molded Pulp cushions made from 100% recycled wood fiber and organic materials.

⁹ Support for three displays requires the two included video ports and configuration at purchase with optional flex port.

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>.

¹⁰ 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.

¹¹ HP Total Test Process testing is not a guarantee of future performance under these test conditions. Accidental damage requires an optional HP Accidental Damage Protection Care Pack.

¹² Sold separately or as an optional feature.

¹³ HP Sure Admin requires Windows 10 or higher, HP BIOS, HP Manageability Integration Kit from <http://www.hp.com/go/clientmanagement> and HP Sure Admin Local Access Authenticator smartphone app from the Android or Apple store.

Specification Footnotes

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 This system is preinstalled with Windows 10 Pro software and also comes with a license for Windows 11 Pro software and provision for recovery software. You may only use one version of the Windows software at a time. Switching between versions will require you to uninstall one version and install the other version. You must back up all data (files, photos, etc.) before uninstalling and installing operating systems to avoid loss of your data.

³ 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.

⁴ Your product does not support Windows 8 or Windows 7. In accordance with Microsoft's support policy, HP does not support the Windows 8 or Windows 7 operating system on products configured with Intel® and AMD 7th generation and forward processors or provide any Windows 8 or Windows 7 drivers on <http://www.support.hp.com>

⁵ Based on US EPEAT® registration according to IEEE 16801-2018 EPEAT®. Status varies by country. Visit www.epeat.net for more information.

⁶ For DDR5 Memory: memory modules support data transfer rates up to 5600/MTs requires selected i5, i7 or i9 CPUs. Memory configuration without selected CPUs support data transfer rates up to 4800 MT/s. Actual data rate is determined by the system's configured processor. See processor specifications for supported memory data rate. All memory slots are customer accessible / upgradeable.

⁷ All memory slots are customer accessible / upgradeable.

⁸ HP Smart Support automatically collects the telemetry necessary upon initial boot of the product to deliver device-level configuration data and health insights and is available preinstalled on select products, thru HP Factory Configuration Services; or it can be downloaded. For more information about how to enable HP Smart Support or for download, please visit <http://www.hp.com/smart-support>

⁹ Availability may vary by country(Antimicrobial China only).

¹⁰ SD 4.0 with 5-in-1 Interface (Supports SD, SDXC, SDHC, UHS-I, UHS-II). Sold separately or as an optional feature.

¹¹ Intel® I225-T1 PCIe® 2.5 GbE: Sold separately or as an optional feature.

¹² Wireless access point and internet service required.

¹³ HP Sure Sense is available on select HP PCs and is not available with Windows10 Home.

¹⁴ HP BIOSphere Gen6 features may vary depending on the platform and configuration.

¹⁵ 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™.

¹⁶ 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™.

¹⁷ HP Sure Start Gen7 is available on select HP PCs.

¹⁸ HP Sure Admin requires Windows 10 or higher, HP BIOS, HP Manageability Integration Kit from <http://www.hp.com/go/clientmanagement> and HP Sure Admin Local Access Authenticator smartphone app from the Android or Apple store.

¹⁹ 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/>.

²⁰ Sold separately or as an optional feature.

²² HP Support Assistant: Requires Windows and Internet access.

²⁴ HP Manageability Integration Kit can be downloaded from <http://www.hp.com/go/clientmanagement>.

²⁵ 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.

²⁶ Intel® Turbo Boost performance varies depending on hardware, software and overall system configuration. See www.intel.com/technology/turboboost for more information.

²⁷ Ports are optional. Max of one Flex Port (rear) can be configured. Max of one Add-On Card can be configured. Flex Port (Front) can only be configured when SD card reader is not selected, and must be configured at time of purchase.

²⁸ 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>

²⁹ Some functionality of vPro, 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 dependant on 3rd party software providers. Compatibility with future "virtual appliances" is yet to be determined.

³⁰ The HP 400 G9 TWR/SFF requires Intel® Core™ processor with DDR5 memory modules to support Wi-Fi 6E and requires a Wi-Fi 6E router, sold separately, to function in the 6GHz band. Availability of public wireless access points limited. Wi-Fi 6E is backwards compatible with prior 802.11 specs. Available in countries where Wi-Fi 6E is supported. Wi-Fi 6E is backwards compatible with prior 802.11 specs. And available in countries where Wi-Fi 6E is supported. For HP 400 G9 TWR/SFF without Intel® Core™ processors and DDR5 memory modules, the product does not support Wi-Fi 6E standard and does not operate under 6GHz band. The products are compatible with 6GHz and other routers, sold separately, which have capability to operate in 2.4GHz and 5GHz, in compliance with Wi-Fi 6 and prior 802.11 specs. The actual throughput depends on network condition and router configuration. Internet service required and public wireless access points are limited.

³¹ Wireless access point and internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 6 is backwards compatible with prior 802.11 specs.

³² Starting November 1st, 2023, HP PCs with Windows require Windows to be installed on SSD. HDD can only be configured as additional data drives and not as the boot drive.

⁵⁶ HP Wolf Pro Security Edition (including HP Sure Click Pro and HP Sure Sense Pro) is available preloaded on select SKUs and, depending on the HP product purchased, includes a paid 1-year or 3-year license. The HP Wolf Pro Security Edition software is licensed under the license terms of the HP Wolf Security Software - End-User license Agreement (EULA) that can be found at https://support.hp.com/us-en/document/ish_3875769-3873014-16 as that EULA is modified by the following: "7. Term. Unless otherwise terminated earlier pursuant to the terms contained in this EULA, the license for the HP Wolf Pro Security Edition (HP Sure Sense Pro and HP Sure Click Pro) is effective upon activation and will continue for either a twelve (12) month or thirty-six (36) month license term ("Initial Term"). At the end of the Initial Term you may either (a) purchase a renewal license for the HP Wolf Pro Security Edition from HP.com, HP Sales or an HP Channel Partner, or (b) continue using the standard versions of HP Sure Click and HP Sure Sense at no additional cost with no future software updates or HP Support.

