

HP Engage solutions: Delivering exceptional customer experiences



Successful businesses focus on delivering exceptional experiences

Building loyalty comes first and foremost in creating great experiences that deliver on the speed and convenience that consumers want consistently across all channels. Technology is a key component in delivering such an experience - one that keeps consumers coming back.



Redefining experience

HP Engage solutions provide businesses with the tools they need to help reduce friction and empower their employees to drive customer satisfaction. From a retail store associate assisting a customer with a purchase decision, to a nurse gathering patient information, HP offers a broad portfolio of technology tools designed to meet your unique business needs.

Style and innovation without compromise

Make a statement without saying a word. Allow your business to stand out with technology that offers aesthetically appealing designs and innovation without compromising on the reliability and security that you depend on to run your business.

Performance you can count on

Deliver the convenient and consistent service that your customers expect—no matter how large or small your business is. HP Engage solutions combine the power and performance you need to keep your business moving forward.

Flexibility you want, functionality you need

Whether you need a traditional point of sale system or something more mobile, HP Engage solutions can meet all your unique business requirements.

Unwavering protection, safeguards you can count on

For employee and customer safety, HP Engage devices are designed to be disinfected up to 10,000¹ times. Built into select HP Engage solutions, HP Wolf Security for Business² protects against never-before-seen attacks as well as known malware, ransomware, and viruses.



The HP Engage experience

Deliver the convenient and consistent service that your customers expect with technology solutions you can count on.

All-in-One solutions

Upgrade your retail environment with a solution that provides power, security, and flexibility – all in one design.



HP Engage
One Pro
All-in-One
System

Ultra-sleek and fast for exceptional experiences

Customize the HP Engage One Pro to suit your specific needs with its sleek yet durable design combined with powerhouse computing, and multiple deployment options.



HP Engage
One
All-in-One
System

Retail redefined by design

Transform your space with a versatile point of sale system that appeals to customers and supports your critical business operations. With security, durability, and flexibility built into its gorgeous design, the HP Engage One marks a new era in point of sale solutions.



HP Engage
One Essential
All-in-One
System

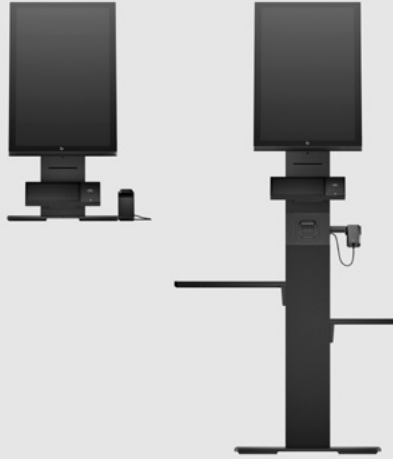
Lasting durability meets streamlined design

Deliver exceptional customer experiences, and value to your business. This elegant system offers rugged durability with the performance you need, and abundant options to tailor it to your operations.



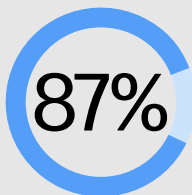
Self-service solutions

Deliver maximum function in a modern, small footprint design.



HP Engage Express

Delivering powerhouse self-service computing in a sleek, small footprint design, the HP Engage Express enables businesses to implement self-service options across a wide range of touchpoints throughout their environment.



of consumers report that they are happy to see retailers making self-checkout available in stores*

*Source: Accenture Holiday Shopping Survey 2022

Convertible solutions

Adapt the sales flow to meet customer needs and deliver an exceptional experience.



HP Engage Go 10 inch
Convertible System



HP Engage Go 13.5 inch
Convertible System

Built to deliver across today's demanding business landscape, the HP Engage Go 10 inch and 13.5 inch easily transition from fixed operations to a mobile tablet. They are durable, sized for easy readability, and can integrate essential accessories to seamlessly conduct business where and how it is needed.



#1 priority for leaders is empowering store associates.*

*Source: RIS News and IHL 2023 Store Experience Study

Modular solutions

Equip your environment with a powerful solution.



HP Engage Flex Pro and Pro-C G2 Modular System

Power to Drive Your Business

Drive business operations with a stable, secure, high performance platform that also offers outstanding flexibility. Suitable for a wide range of deployments that span POS, digital signage, video surveillance, processing/controlling, OEM and more.



HP Engage Flex Mini System

An operations powerhouse that fits anywhere

Make sure you drive every facet of your business—from back-office operations to digital customer engagements to point of sale—with the flexible, fully loaded HP Engage Flex Mini, our smallest powerhouse performer.



Build a solution that fits your unique business

HP Engage peripherals



Displays

Deliver an enhanced experience to your customers and employees with eye-catching HP displays that come in a variety of sizes and are available in both touch and non-touch options.



Standalone thermal receipt printer

Complete your solution with an HP receipt printer - designed for solid performance and reliability in environments.



Barcode scanners

Choose from a variety of both wired and wireless scanners that offer extended functionality to meet a wide range of specific use cases.



Cash drawers

HP cash drawers provide a space-saving design and reliable performance to meet the needs of demanding environments. Stand-alone cash drawer tills are also available to fit customers' specific needs.



Keyboards

Featuring a robust design and an intuitive layout in a compact form factor, HP keyboards offer optimum space efficiency for environments with limited room.



Integrated peripherals

HP offers a variety of integrated peripheral options, such as barcode scanners, magnetic stripe readers, and fingerprint readers.

Unlock the value of investments with HP Services³

HP Services help IT deliver a secure, seamless technology experience, from the time a new device comes out of the box through end-of-life recycling or repurposing. Our services can help automate and simplify previously manual processes, helping create more productive workdays for employees and fewer to-dos for IT.



Great device experiences from day one

Reduce strain on IT resources and deliver a superior out-of-box experience for employees with device configuration, installation and deployment services tailored to your business requirements.



Rapid repair and replacement—when and where you need it

Avoid lost sales due to device downtime with services that predict and prevent potential issues before they impact your business, enable faster fixes, and streamline issue resolution.⁴



Peace of mind that customer and employee data is protected

Fortify your first line of defense with multilayered HP Wolf endpoint security solutions that protect people, devices, and data.



Securely recover, repurpose, or recycle end-of-use devices

Phase out end-of-use devices responsibly with HP Renew services, providing options for recovering, repurposing, or recycling devices, helping maintain a healthier planet for all and a better world for future generations.^{5,6}



HP Engage technical specifications:

1. All-in-One solutions
2. Self-service solutions
3. Convertible solutions
4. Modular solutions

1. All-in-One solutions

Feature	HP Engage One Pro	HP Engage One	HP Engage One Essential
Introduction Date	2020	2017	2021
Intel Generation	10th Generation	7th Generation (Kaby lake) ⁱ	Intel® Elkhart Lake
CPUs/Processors	Intel® Celeron® G5900E Intel® Pentium® Gold G6400E Intel® Core™ i3-10100E Intel® Core™ i5-10500E Intel® Core™ i7-10700E Intel® Core™ i9-10900E	Intel® Core™ i5-7300U with vPro Intel® Core™ i3-7100U Intel® Core™ Celeron® 3965U (2.2GHz, 2M Cache, 2 Cores)	Intel® Celeron N6211 2C Intel® Pentium N6415 4C
Memory	Up to 64 GB DDR4-2666 SDRAM ⁱⁱ	Up to 32GB DDR4 ⁱⁱ	4GB/8GB DDR4
Operating Systems	Windows 11 Pro ⁱⁱⁱ Windows 10 IoT Enterprise 2021 LTSC ⁱⁱⁱ Windows 10 IoT Enterprise 2019 LTSC ⁱⁱⁱ FreeDOS 2.0 Android 11 AOSP ^{iv} Android 11 with GMS ^{iv} SUSE Linux® Enterprise Desktop 12	Windows 10 Professional 64-bit ⁱⁱⁱ Windows 10 IoT Enterprise 2016 Windows 10 IoT Enterprise 2019 LTSC 64LTSB 64-bit FreeDOS 2.0	Windows 10 IoT Enterprise 2021 ⁱⁱⁱ Windows 10 IoT Enterprise 2019 ⁱⁱⁱ FreeDOS Android 11 AOSP ^{iv} Android 11 with GMS ^{iv}
Associate Facing Display	15.6" diagonal, FHD (1920 x 1080), touch, IPS, anti-glare, 400 nits, 45% NTSC 19.5" diagonal, FHD (1920 x 1080), touch, VA, anti-glare, 450 nits, 72% NTSC 23.8" diagonal, FHD (1920 x 1080), touch, IPS, anti-glare, 625 nits, 72% NTSC ^v	14" Diagonal FHD anti-glare touchscreen with 1920 x 1080 resolution	14", 16:9 aspect ratio, 1920 x 1080 resolution PCAP 250 nits
Customer Display Options (diagonal)	6" CFD that can virtualize 2x20 10" Touch & Non-Touch CFD 14" Touch & Non-Touch CFD	2x20 LED (top mounted) 10.1" touch and non-touch displays	2 x 20 Pole Display 10" touch and non-touch CFD display 6.6" customer display
System Colors	Ebony black or ceramic white (15.6" and 23.8")	Ebony black or ceramic white	Ebony black or ceramic white
Tilt & Cable Management	Performance Stand w/ 40-120 Degree Tilt & 50mm Height Adjust Pro Stand w/ 40-120 Degree Tilt Vertical Stand w/ 15-40 Degree Tilt Column Hub Option with access to ports in stand & separate I/O hub options	I/O Separated into Hub for cable management & limited Tilt. Available rotate stand to rotate system 180 degrees	Essential Stand with Tilt Advanced Stand with Tilt Advanced Swivel Stand with Tilt & Swivel

1. All-in-One solutions

Feature	HP Engage One Pro	HP Engage One	HP Engage One Essential
Cooling	Optimized thermal design	Fan-based	Fan-less
HDD, SSD, RAID	2 Storage Bays ^{vi} 128 GB up to 1 TB PCIe® NVMe™ SSD 256 GB up to 1 TB PCIe® NVMe™ SSD	1 (one) M.2 SSD Bays - SATA - PCIe (NVMe™) ^{vi} M.2 Storage: M.2 SATA: Up to 512GB NVMe™ : Up to 1TB	M.2 2280 PCIe-3x2 NVMe, up to 256GB
Connectivity I/O	Head Unit 1 x Audio Jack 4 x USB 3.1 for Integrated Peripherals Columns/VESA Hub 1x RJ45 USB NIC, 3x USB 2.0 Type A, 1x 24V PUSB, 1x 12V PUSB, 1x USB Type C (Video / 27W) Advanced Hub 1x RJ12 Cash Drawer, 2x 12V PUSB 1x 24V PUSB, 2x DB9 P-Serial 4x USB3.0 Type A, 1x USB Type C (Video / 27W), 1x RJ45 USB NIC	Basic I/O Connectivity Cash drawer jack Power connector USB Type-C power port Powered serial ports (3) USB 3.0 ports (4) USB 2.0 ports (2) RJ-45 network jack Headset jack Advanced I/O Connectivity Cash drawer jack Powered USB 12 V ports (2) Powered USB 24 V port Power connector USB Type-C power port	<ul style="list-style-type: none"> • Essential Stand / VESA Hub - 2 x USB -A - 2 x USB-C - 1 x RJ45 (Ethernet connectivity) • Advanced Swivel Stand / Advanced Stand - 4 x USB-A port - 1 x USB-C DP port - 1 x 24v PUSB - 1 x RJ45 (Ethernet connectivity) - Serial (x2): 0V/5V/12V - 1 x RJ12 (cash drawer) - Power Barrel Optional VESA Hubs
Integrated Peripherals	Fingerprint reader, Barcode Scanner ^{vii} , MSR, Integrated Payment via 6" CFD, Front & Rear Facing RGB/IR Cameras, NFC	HP Engage One Biometric Finger Print Reader, MSR HP Engage One Top Mount 2 x 20 CFD, Integrated Column Receipt Printer	Payment Shell w/ Ingenico Module with EMV, Contactless & MSR (US Only), Barcode Scanner, Fingerprint Reader, NFC, and MSR
Durability Specs	IP44	Water Channeling outlets, IP43	Fanless system, IP54 certified ^{viii}
Standard Warranty	3 years Onsite (3/3/3 (parts/labor/service). Care packs up to 5 years	3 years Onsite (3/3/3 (parts/labor/service). Carepacks up to 5 years	3 Years Onsite
Security & Manageability	HP Sure Run; HP Sure Recover; HP Sure Sense; HP Sure Click; HP Multi-Factor Authenticate; HP Sure Click (Standard); Self Encrypting Drives; HP BIOSphere with SureStart Gen6; K-Lock; HP BIOS: Secure Erased & Device Guard Enablement, HP TechPulse	HP Client Security, HP BIOSphere with SureStart Technology, TPM (Trusted Platform Module), HP TechPulse	ODM BIOS: AMI Core Bios, SMBios, UEFI Support, Hardware TPM, optional Integrated fingerprint reader, and NFC authentication (100% attach)

i. 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>

ii. 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.

iii. 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 10 is automatically updated, which is always enabled. ISP fees may apply, and additional requirements may apply over time for updates. See <http://www.windows.com>

iv. Select Android configs available.

v. Actual brightness will be lower with touch screen.

vi. For storage drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 30 GB (for Windows 10) is reserved for system recovery software.

vii. The Datalogic Magellan 1500i Barcode Scanner is factory install only and must be configured at purchase.

viii. HP Engage One Essential All-in-One System is IP54 Certified. IP54: Test results are not a guarantee of future performance under these test conditions. Accidental damage requires an optional HP Accidental Damage Protection Care Pack. If unit has optional payment device IP rating is void. If configured with Pro VESA Hub or Slim VESA, unit is IP44.

2. Self-service solutions

(HP Engage Express accessory options to complement the HP Engage One Pro)

Accessory name	Description
HP Engage Express Countertop 1 Product number: 6P2E2AA	Deliver maximum functionality in a small footprint design with the HP Engage Express Countertop Stand. This simple stand meets your essential self-service needs without additional peripherals. ⁱ
HP Engage Express Countertop 2 Product number: 6P2E3AA	Deliver maximum functionality in a small footprint, self-service design with the HP Engage Express Countertop Stand with included payment arm. The payment arm has a 75 mm VESA® and tilts 0 to 65 degrees. ^{i,ii}
HP Engage Express Countertop 3 Product number: 6P2E4AA	Deliver maximum functionality in a small footprint, self-service design with the HP Engage Express Countertop Stand with included Custom Modus3 Printer. ⁱⁱⁱ The printer sleekly integrates into a front accessible drawer for easy maintenance. ⁱ
HP Engage Express Countertop 4 Product number: 6P2E5AA	Deliver maximum functionality in a small footprint, self-service design with the HP Engage Express Countertop Stand with included payment arm ⁱⁱ and Custom Modus3 Printer. ⁱⁱⁱ The payment arm has a 75 mm VESA® and tilts 0 to 65 degrees, and the printer sleekly integrates into a front accessible drawer for easy maintenance. ⁱ
HP Engage Express Pedestal 5 Product number: 6P2E7AA	Enhance and streamline customer experiences with an elegantly crafted, highly versatile self-service stand. The HP Engage Express Pedestal Stand ^{iv} delivers a sleek footprint and is ruggedly durable – meeting all your essential self-service needs. ⁱ
HP Engage Express Pedestal 6 Product number: 6P2E8AA	Enhance and streamline customer experiences with the sleek HP Engage Express Pedestal Stand ^{iv} with included payment arm. It's elegantly crafted, ruggedly durable, and the payment arm has a 75 mm VESA® and tilts 0 to 65 degrees. ^{i,ii}
HP Engage Express Pedestal 7 Product number: 6P2E9AA	Enhance and streamline customer experiences with the sleek HP Engage Express Pedestal Stand ^{iv} with included Custom Modus3 Printer. ⁱⁱⁱ It's elegantly crafted, ruggedly durable, and the printer cleanly integrates into a front accessible drawer for easy maintenance. ⁱ
HP Engage Express Pedestal 8 Product number: 6P2F0AA	Enhance and streamline customer experiences with the elegantly crafted, ruggedly durable HP Engage Express Pedestal Stand ^{iv} with included payment arm ⁱⁱ and Custom Modus3 Printer. ⁱⁱⁱ The payment arm has a 75 mm VESA® and tilts 0 to 65 degrees ⁱⁱ , and the printer sleekly integrates into a front accessible drawer for easy maintenance. ⁱ
HP Engage Express Pedestal 9 Product number: 6P2F1AA	Enhance and streamline customer experiences with the elegantly crafted, ruggedly durable HP Engage Express Pedestal Stand ^{iv} with included payment arm, Custom Modus3 Printer ⁱⁱⁱ , and hand-held HP Engage 2D G2 Barcode Scanner. The payment arm has a 75 mm VESA® and tilts 0 to 65 degrees ⁱⁱ , the printer sleekly integrates into a front accessible drawer for easy maintenance, and the hand-held barcode scanner allows scanning of 1D and 2D omnidirectional barcodes as well as mobile device scanning. ⁱ
HP Engage Express Pedestal 10 Product number: 6P2F2AA	Enhance and streamline customer experiences with the elegantly crafted, ruggedly durable HP Engage Express Pedestal Stand ^{iv} with included payment arm, Custom Modus3 Printer ⁱⁱⁱ , and Datalogic Magellan 1500i Barcode Scanner ^v . The payment arm has a 75 mm VESA® and tilts 0 to 65 degrees ⁱ , and the printer sleekly integrates into a front accessible drawer for easy maintenance. The barcode scanner integrates into the stand for a seamless scanning solution. ⁱ
HP Engage Express Pedestal 11 Product number: 6P2F3AA	Enhance and streamline customer experiences with the elegantly crafted, ruggedly durable HP Engage Express Pedestal Stand ^{iv} with included payment arm ⁱⁱ , Custom Modus3 Printer ⁱⁱⁱ , integrated Datalogic Magellan 1500i Barcode Scanner ^v , and hand-held HP Engage 2D G2 Barcode Scanner. It delivers maximum function in a modern, small footprint design to complement your environment. ⁱ
HP Engage Express Bag Holder Product number: 6P2F7AA	Easy to use, the HP Engage Express Bag Holder ^{vi} securely holds bags on the right side of the HP Engage Express Pedestal Stand ^{iv} for quick and efficient checkout.
HP Engage Express Countertop BCS Cradle Product number: 6P2F9AA	Built for demanding environments, the HP Engage Express Countertop Barcode Scanner Cradle ^v provides an optimal place for your hand-held barcode scanner to rest while keeping counters clutter-free. HP Engage Express Countertop BCS Cradle includes the HP Engage 2D G2 Barcode Scanner. ⁱ
HP Engage Express Shelves Product number: 6P2G0AA	Add greater convenience to the self-checkout experience with HP Engage Express Shelves ^{vi} for the HP Engage Express Pedestal Stand. ^{iv} One right shelf and one left shelf are included. ⁱ

i. HP Engage One Pro AIO Head Unit is not included and must be purchased separately.

ii. Payment arm is 75 mm VESA® and is compatible only with HP Engage 6.6 inch Display for Ingenico Moby 5500M and HP Engage 6.6 inch Display with Ingenico Moby 5500M, available in the U.S. only. Payment terminals and 3rd party payment mounts not included with payment arm. Must configure payment arm at purchase.

iii. The Custom Modus3 Printer is factory install only and must be configured at purchase.

iv. HP Engage Express Pedestal Stand must be bolted to the floor, bolts not included. See product Quick Specs for more information.

v. HP Engage Express Countertop Cradle includes the HP Engage 2D G2 Barcode Scanner and is only compatible with the HP Engage Express Countertop Stand.

vi. HP Engage Express Shelves and HP Engage Express Bag Holder are only compatible with the HP Engage Express Pedestal Stand.

3. Convertible solutions

Feature	Engage Go 13.5 inch	Engage Go 10 inch
Introduction date	2022	2021
Processors ⁱ	Intel® 11th Generation: • Intel® core™ i3-1110G4 • Intel® core™ i5-1140G7	Intel® 11th Generation: • intel®core™i3-1110G4 • Intel®core™i5-1140G7
Display	13.5" diagonal, WUXGA+ (1920 x 1280) touch, IPS, Corning® Gorilla® Glass 5,340 nits, 100% sRGB	10" diagonal, WUXGA+ (1800 x 1200), touch, IPS, Corning® Gorilla® Glass 5,400 nits, 45% NTSC
RAM ^{ii,iii}	16 GB LPDDR4 SDRAM	16 GB LPDDR4X-4266 MHz RAM (onboard)
Internal storage ^{iv}	256 GB PCIe®NVMe™	Up to 256 GB PCIe®NVMe™
Communications ^v	Intel® Wi-Fi 6 AX201 (2x2) and Bluetooth® 5 combo non-vPro®; Intel® Dual Band Wireless-AC 8265 802.11ac (2x2) Wi-Fi® and Bluetooth® 5 combo vPro®	Intel® XMM™ 7360 LTE-Advanced Cat 9 Intel® Wi-Fi 6 AX201 (2x2) and Bluetooth® 5 combo, vPro® Intel® Wi-Fi 6 AX201 (2x2) and Bluetooth® 5 combo, non-vPro® Near Field Communication (NFC) module
Camera	8 MP camera (rear-facing); 2 MP camera with LED indicator (front-facing)	8 MP camera (rear-facing); 2 MP camera with LED indicator (front-facing)
Battery life ^{vi,vii}	Up to 10 hours	Up to 9 hours
Color	Ebony black or ceramic white	Ebony black or ceramic white
Connectivity	Optional advanced hub includes: (2) Powered USB 12V (1) Powered USB 24V (2) Powered serial (4) USB 3.0 USB Type-C® RJ-45 Network Security cable slot MicroSD Card Reader Headset Jack USB Type-C® Power Port Cash drawer jack	Optional advanced hub includes: (2) Powered USB 12V (1) Powered USB 24V (2) Powered serial (4) USB 3.0 USB Type-C® RJ-45 Network Security cable slot MicroSD Card Reader Headset Jack USB Type-C® Power Port Cash drawer jack
Operating system	Windows 11 Professional (64-bit) ^{viii,ix} Windows 10 IoT Enterprise 2021 LTSC 64-bit ^{ix} FreeDOS SUSE Linux® Enterprise Desktop 12 (certification)	Windows 11 Professional (64-bit) ^{viii,ix} Windows 10 IoT Enterprise 2021 LTSC 64-bit ^{ix} Windows 10 IoT Enterprise 2019 LTSC 64-bit ^{ix} Android 11 GMS & AOSP ^{x,xi} FreeDOS SUSE Linux® Enterprise Desktop 12 (certification)

3. Convertible solutions

Feature	Engage Go 13.5 inch	Engage Go 10 inch
Lifecycle	9-year lifecycle <ul style="list-style-type: none"> • Four years of manufacturing lifecycle • Up to five years of support 	10-year lifecycle <ul style="list-style-type: none"> • Five years of manufacturing lifecycle • Up to five years of support
Screen size/dimensions	11.81 X 8.72 X 0.5 in 30 X 22.16 X 1.27 cm	9.43 X 6.92 X 0.4 in (flat option) 9.43 X 6.92 X 0.88 in (bump option) 23.95 X 17.6 X 1 cm (flat option) 23.95 X 17.6 X 2.24 cm (bump option)
IP Rating ^{xii}	IP54	IP54
Certifications & compliance	IEC60601-2 MIL-STD 810H CISPR 32 (EN55032) CISPR 35 (EN55035) Energy Star® EPEAT® Gold RoHS2 Compliant	IEC60601-2 MIL-STD 810H CISPR 32 (EN55032) CISPR 35 (EN55035) Energy Star® EPEAT® Gold RoHS2 Compliant

- i. Some functionality of this technology, such as Intel® Active Management Technology and Intel Virtualization technology, requires additional 3rd party software to run. Availability of future "virtual appliances" applications for Intel vPro technology is dependent on 3rd party software providers.
- ii. 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. Actual data rate is determined by the system's configured processor. See processor specifications for supported memory data rate.
- iii. The memory is soldered down.
- iv. 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 10) of system disk is reserved for the system recovery software.
- v. Wireless access point and internet service required. Availability of public wireless access points is limited. The specifications for the 802.11 ac WLAN are draft specifications and are not final. If the final specifications differ from the draft specifications, it may affect the ability of the notebook to communicate with other 802.11 ac WLAN devices.
- vi. Battery life will vary for devices with integrated payment. The maximum capacity of the battery will naturally decrease with time and usage.
- vii. Windows 10 MM 18 battery life will vary depending on various factors including product model, configuration, loaded applications, features, use, wireless functionality, and power management settings. The maximum capacity of the battery will naturally decrease with time and usage. See www.bapco.com for additional details.
- viii. 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, which is always enabled. ISP fees may apply, and additional requirements may apply overtime for updates. See <http://www.windows.com>
- ix. Microsoft Device Guard and Credential Guard are available with Windows 10 IoT Enterprise delivered from HP or to customers with a volume license to use Windows 10 Enterprise. Microsoft Device Guard and Credential Guard are not available with Windows 10 Pro. The installation of Windows 10 Enterprise and Microsoft Device Guard and Credential Guard are available through HP Configuration & Deployment Services.
- x. Configuration limitations: up to Core i3 processor, 4GB LPDDR4 memory, and 128GB SSD storage.
- xi. Android is a trademark of Google LLC.
- xii. Test results are not a guarantee of future performance under these test conditions. Accidental damage requires an optional HP Accidental Damage Protection Care Pack. HP Engage Go 10" Mobile System is IP54 rated. If unit has optional payment device IP rating goes down to IP40.

4. Modular solutions

Feature	Engage Flex Pro G2	Engage Flex Pro-C G2	Engage Flex Mini
Introduction Date	2023	2023	2021
Dimensions (W x D x H)	337mm x 384mm x 100mm (13.27" x 14.96" x 3.94")	300 x 100 x 302 mm (11.81" x 3.94" x 11.89")	6.97" x 6.89" x 1.34"
Intel Architecture	Raptorlake-S(13th Gen) Alderlake-S (12th Gen)	Raptorlake-S(13th Gen) Alderlake-S (12th Gen)	10th Generation
CPUs/Processors ^{i, ii, iii, iv}	Intel® Core™ i9-13900E with vPro™ Intel® Core™ i7-13700E with vPro™ Intel® Core™ i5-13500E with vPro™ Intel® Core™ i5-13500TE with vPro™ Intel® Core™ i3-13100E Intel® Core™ i3-13100TE Intel® Pentium® G7400E Intel® Celeron® G6900E Intel® Celeron® G6900TE	Intel® Core™ i9-13900E with vPro™ Intel® Core™ i7-13700E with vPro™ Intel® Core™ i5-13500E with vPro™ Intel® Core™ i5-13500TE with vPro™ Intel® Core™ i3-13100E Intel® Core™ i3-13100TE Intel® Pentium® G7400E Intel® Celeron® G6900E Intel® Celeron® G6900TE	Intel® Celeron™ G5905T Intel® Pentium™ G6400T Intel® Core i3-10100T Intel® Core i5-10500T
Memory ^v	Up to 128GB DDR5-4800 RAM, 4 DIMMs	Up to 128GB DDR5-4800 RAM, 4 DIMMs	Up to 64GB DDR4-2666
Operating Systems	Windows 11 Pro 64-bit ^{vi} , Windows 10 IoT ^{vi} , FreeDOS	Windows 11 Pro 64-bit ^{vi} , Windows 10 IoT ^{vi} , FreeDOS	Windows 10 Pro 64-bit ^{vi} , Windows 10 IoT ^{vi} , FreeDOS
HDD, SSD, RAID	Up to 5 storage devices (using ODD tray adapter), 3.5" storage bays	Up to 4 storage devices, 2.5" storage bays	One 2.5" SATA, Two M.2
M2 Storage ^{vii}	2 M.2	2 M.2	2 M.2 2280
Optical Disk Drive	5.25" Optical Drive	No	No
I/O	Up to 6 Serial Ports, 24V & Cash Drawer Port, Up to 6 12V PUSB, 5 x USB 3.2, 2 x USB 2.0, 1 x Display Port, LAN, 2 x optional Flex Port (USB-C, Dual USB-A HDMI, VGA, DisplayPort 2.5Gbps Ethernet, or Serial)	Up to 6 Serial Ports, 24V & Cash Drawer Port, Up to 6 12V PUSB, 5 x USB 3.2, 2 x USB 2.0, 1 x Display Port, LAN, 2 x optional Flex Port (USB-C, Dual USB-A HDMI, VGA, DisplayPort 2.5Gbps Ethernet, or Serial)	3 x Type-A USB 3.2 Gen 1, 3 x Type-A USB 3.2 Gen 2, 1x x Type-C USB 3.2 Gen 2, 2 x DisplayPort, 2 x Flex port (VGA, HDMI, USB-C, DisplayPort™), LAN, 2 x Flex Ports (Video/Serial)
PCIe/PCI Slots	2 half 2 full PCIe	2 half 2 full PCIe	PCIe NVMe
Other	Extensive I/O Configuration Flexibility	Expansive I/O Configuration Flexibility	None
Purpose Built	Yes	Yes	Yes
Cooling/Sealed	Fan Based	Fan Based	Fan Based
Durability Specs	40c Thermal / MIL-STD & Retail Hardening Testing	40c Thermal / MIL-STD & Retail Hardening Testing	40c Thermal / MIL-STD & Retail Hardening Testing
Standard Warranty	1/1/1 standard ^{viii}	1/1/1 standard ^{viii}	3/3/3 standard ^{viii}
Security/Manageability	HP BIOSphere with SureStart ^{ix} , HP Client Security ^x , TPM ^{xi} , HP TechPulse, HP Sure Recover ^{xii}	HP BIOSphere with SureStart ^{ix} , HP Client Security ^x , TPM ^{xi} , HP TechPulse, HP Sure Recover ^{xii}	HP BIOSphere with SureStart ^{ix} , HP Client Security ^x , TPM ^{xi} , HP TechPulse, HP Sure Recover ^{xii}

4. Modular solutions

- i. 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.
 - ii. Intel® Turbo Boost technology requires a PC with a processor with Intel Turbo Boost capability. Intel Turbo Boost performance varies depending on hardware, software and overall system configuration. See [www.intel.com/technology/turbo boost](http://www.intel.com/technology/turbo%20boost) for more information.
 - iii. Intel® Optane™ memory system acceleration does not replace or increase the DRAM in your system and requires configuration with an optional Intel® Core™ (i5 or 7)+ processor.
 - iv. Some functionality of this 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 of this generation of Intel vPro technology-based hardware with future "virtual appliances" is yet to be determined.
 - v. 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 2133 MT/s; actual data rate is determined by the system's configured processor. See processor specifications for supported memory data rate.
 - vi. 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 10 is automatically updated, which is always enabled. ISP fees may apply and additional requirements may apply overtime for updates. See <http://www.windows.com/>
 - vii. HP SureStart Gen4 is available on the HP Engage Flex Pro equipped with 8th generation Intel® processors.
 - viii. 3-year onsite limited warranty, depending on country.
 - ix. HP BIOSphere Gen4 requires Intel® 8th Gen processors. Features may vary depending on the platform and configurations.
 - x. HP Client Security Suite Gen 4 Requires Windows and Intel®8th generation processors.
 - xi. Firmware TPM Is version 2.0. Hardware TPM is v1.2, which is a subset of the TPM 2.0 specification version v0.89 as implemented by Intel Platform Trust Technology (PTT).
 - xii. HP SureClick, SureRun, SureRecover & SureSense is supported on Win 10 Pro & Win 10 IoT Enterprise2019 LTSC; but not on Win 10 IoT Enterprise2016 LTSB.
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1. Tested by up to 10,000 wipes with select germicidal towelettes over a 3-year period. See wipe manufacturer's instructions for disinfecting and the HP cleaning guide for HP tested wipe solutions at How to Sanitize Your HP Device Whitepaper (<https://h20195.www2.hp.com/v2/GetDocument.aspx?docname=4AA7-7610ENW>)
 2. 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 and OS requirements.
 3. HP Services are optional. 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 hp.com/go/cpc. HP Services are governed by the applicable HP terms and conditions of service provided or indicated to the customer at the time of purchase. Customers 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.
 4. One-year or three-year limited warranty, depending on product and country.
 5. Each service sold separately. Some deals will require the creation of a bundled SKU which will increase the setup lead time. Device Provisioning supports Windows 10 and 11. Please consult with your HP Representative for more detail. Some region restrictions may apply.
 6. Fair market value will be assessed based on age and condition of the device. Not all devices may have any residual value. If not, they will be responsibly recycled.
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