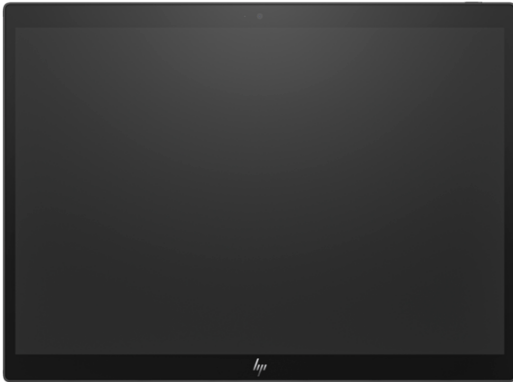# HP Engage Go 13.5 inch Mobile System (822G0UT)

Overview

Thrives in evolving environments

Built to deliver across today's demanding business landscape, the HP Engage Go 13.5" easily transitions from fixed operations to a mobile tablet. It's durable, and sized for easy readability, and can integrate essential accessories[1] to seamlessly conduct business where and how you need to.

Incredible versatility to delight your customers

Engage customers wherever they are with a device that seamlessly goes from countertop system to sleek and light tablet (starts at just 2.3 lbs.), and offers multiple accessories including MSR or payment terminal, barcode scanner, and more[1].

Powerful performance, operational simplicity

Power through shifts with up to an Intel® Core™ i5 CPU[5], 256GB[6] SSD, and up to 10 hours[7] of battery life. Apps are easier to navigate on the large 13.5" diagonal screen. And with familiar OS options, seamlessly run many standard, non-mobile apps. Up to 5G for connectivity almost anywhere.[8]

World-class security for your device and data

Safeguard your device with HP Wolf Security for Business[2]—protect below, in, and above the OS. Customize unlock procedures, track devices and manage permissions with HP Smart Dock software[3]. Lock-up while charging with optional docks and mounts.[4]

Built to last

This system undergoes 120K hours of rigorous testing[9] and military standard testing[10], resists dust and liquid (IP54 rated)[11], and withstands frequent disinfecting†. Its Corning® Gorilla® Glass screen provides strong scratch resistant protection.

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[1] NFC is included. Hardware supports Payment Module or Magnetic Stripe Reader, not both. Payment module is available in the US only and can be integrated at the time of hardware purchase or can be purchased separately. MSR is an optional feature, sold separately that requires the HP Engage Go 13.5" to be configured at purchase with payment enabled mechanical ID. Case is an optional accessory compatible with the HP Engage Go 13.5" and is available with select skus or sold separately.

[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, RPOS and Workstation products. See product details for included security features.

[3] HP Smart Dock software requires Windows OS.

[4] Optional features sold separately.

[5] 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.

[6] For storage drives, GB = 1 billion bytes. Actual Formatted capacity is less. Up to 36GB is reserved and is not user accessible.

[7] Windows MobileMark 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.

[8] Intel® 5G module is optional and must be configured at the factory. Only available in the United States. Module designed for 5G NR NSA (non-standalone) networks as carriers deploy Evolved-Universal Terrestrial Radio Access New Radio Dual Connectivity (ENDC) with both 100Mhz of 5G NR and LTE channel bandwidth, using 256QAM 4x4 as defined by 3GPP. Module requires activation and separately purchased service contract. Check with service provider for coverage and availability in your area. Data connection, upload and download speeds will vary due to network, location, environment, network conditions, and other factors. Backwards compatible to 4G LTE and 3G HSPA technologies. 5G module planned to be available in select platforms and select countries, where carrier supported.

[9] HP Total Test Process test results are not a guarantee of future performance under these test conditions. Accidental damage requires an optional HP Accidental Damage Protection Care Pack.

[10] MIL-STD-810H testing is not intended to demonstrate fitness of U.S. Department of Defense (DoD) 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] 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. HP Engage Go 13.5" is IP54 rated. If unit has optional payment device IP rating goes down to IP40. † Testing disclaimer: Select third party wipes can be safely used to clean the HP Engage Go 13.5 up to 10,000 wipes: 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 .

Specifications

Operating system	Windows 10 IoT Enterprise 2021 LTSC
Processor family	11th Generation Intel® Core™ i3 processor
Processor	Intel® Core™ i3-1110G4 (up to 3.9 GHz with Intel® Turbo Boost Technology, 6 MB L3 cache, 2 cores, 4 threads)[6,7]
Memory	8 GB LPDDR4x-4266 MHz RAM (onboard)
Graphics (integrated)	Intel® UHD Graphics
Display	34.3 cm (13.5") diagonal, WUXGA+ (1920 x 1280) touch, IPS, Corning® Gorilla® Glass 5, 340 nits, 100% sRGB
Display	13.5" diagonal, WUXGA+ (1920 x 1280) touch, IPS, Corning® Gorilla® Glass 5, 340 nits, 100% sRGB
Display size (diagonal)	34.3 cm (13.5")
Display size (diagonal)	13.5"
Audio	HD audio with Audio Solution Codec ALC3247, single speaker
Minimum dimensions (W x D x H)	30 x 22.16 x 1.27 cm
Minimum dimensions (W x D x H)	11.81 x 8.72 x 0.5 in
Weight	1.04 kg *(Weight will vary by configuration.)*
Weight	2.3 lb *(Weight will vary by configuration.)*
Ports	1 nano SIM port; 2 SuperSpeed USB Type-A 5Gbps signaling rate; 1 microphone
Expansion slots	1 M.2
Wireless	Intel® Wi-Fi 6 AX201 (2x2) and Bluetooth® 5.2 wireless card (supporting gigabit data rate)
Power	65 W USB Type-C® adapter
Battery type	HP Long Life 3-cell, 42 Wh Li-ion polymer (with HP Fast Charge support)
Ecolabels	EPEAT® registered
Energy star certified	ENERGY STAR® certified
Sustainable impact specifications	Low Halogen
Security management	Credential Guard and password protection; Trusted Platform Module TPM 2.0 Embedded Security Chip; HP Smart Dock; HP Engage One Keyed Cable Lock from Connectivity Base; HP Client Security Manager; HP Multi-Factor Authenticate; HP Sure Click; HP Sure Sense; HP Sure Admin; HP MIK (SCCM Integration); HP Image Assistant; HP vPro Support; HP Sure Run Gen 4; Tile™ Application; HP Device Guard; HP BIOSphere with SureStart Gen 6; HP Blackbox NFC[2,9,15,16,17,18,19,20,23,24,25,26,27]
Software included	HP Device Guard; HP Credential Guard; HP BIOS Config Utility; HP Manageability Integration Kit[2,9]

| UPC number | 197497282979 |

Additional specifications

Barcode reader	Newland CEM60D-HP
Battery brand	HP
Battery capacity	42
Battery capacity uom	Wh
Battery cells number	4
Battery life	Long Life
Battery type	Li-ion polymer
Bluetooth version	Bluetooth® 5.2
Color gamut	100% sRGB
Display brightness	340
Display brightness uom	nits
Display glass type	Corning® Gorilla® Glass 5
Display panel technology	IPS
Display resolution (pixels)	1920 x 1280
Display resolution standard	WUXGA+
Display size (diagonal) uom	"
Display size (diagonal, imperial)	13.5
Display size (diagonal, metric)	34.3
Display size (diagonal, metric) uom	cm
Display touchscreen type	touch screen
Memory layout (slots & size)	onboard
Memory size	8
Memory size uom	GB
Memory speed	4266
Memory speed uom	MHz
Memory type	LPDDR4x
Processor Brand	Intel®
Processor cache	6 MB L3
Processor core	2
Processor family	Core™ i3
Processor frequency technology	Intel® Turbo Boost Technology
Processor generation	11th Generation
Processor maximum frequency	3.9

Processor maximum frequency uom	GHz
Processor model	1110G4
Processor threads	4
Standard memory note	Transfer rates up to 4266 MT/s.
Storage capacity	256
Storage capacity uom 01	GB
Storage interface 01	PCIe®
Storage interface protocol 01	NVMe™
Storage type	SSD
Storage type 01	SSD
UNSPSC code	43211509
Wireless Model	Wi-Fi 6 AX201
Wireless antenna	2x2
Wireless standard	Wi-Fi 6
Wireless supplier	Intel®
Wireless transfer speeds	Supporting Gigabit data rate

[2] 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 or Windows 11 Pro. The installation of Windows 10 Enterprise and Microsoft Device Guard and Credential Guard are available through HP Configuration & Deployment Services.

[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.

[9] HP Sure Start Gen6 is available on the HP Engage Go 13.5" Convertible equipped with 11th generation Intel® processors.

[15] HP Sure Sense currently available as an HP Softpack. HP Sure Sense will also be included in the image starting February 17, 2020.

[16] HP Sure Click is only supported on Intel Core i3, i5, i7, and i9 processors.

[17] HP Sure Click, Sure Run, Sure Recover & Sure Sense is supported on Win 10 Pro or higher, Win 10 IoT Enterprise 2019 LTSC; but not on Win 10 IoT Enterprise 2016 LTSB.

[18] vPRO support requires either an Intel Core i5 or Core i7 processor.

[19] vPRO support also requires a vPRO WLAN Card for these products.

[20] vPRO enablement is a separate option on some products.

[23] 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.

[24] HP Sure Click requires Windows 10 Pro or higher or Enterprise. See https://bit.ly/2PrLT6A_SureClick for complete details.

[25] HP BIOSphere Gen6 features may vary depending on the platform and configuration.

[26] HP Sure Sense is available on select HP PCs and is not available with Windows10 Home.

Accessories

Point of Sales System Options

★ : Recommended

POS Terminal Accessories

60W Printer AC Adapter	3A2P5AA
Datalogic 1500i Presentation Scanner	9BU50AA
Datalogic 1500i Whi Presentation Scanner	3F568AA
Datalogic 3450Vsi Presentation Scanner	7UZ38AA
Epson 12 FT PUSB Cable	7NX62AA
Epson 6FT PUSB Dark Gray Cable	1C5A0AA
HP 6 Foot PUSB Black Cable	5C2B8AA
HP 6 Foot USB Black Cable	5C2B7AA
HP Cable Pack for Dual HP Cash Drawer	QT538AA
HP Engage Basic I/O Base	5LT86AA
HP Engage Go 13.5 Black for Ingenico Moby 5500M and MSR includes Fingerprint Reader	7Q7L5AA
HP Engage Go 13.5 Black for Ingenico Moby 5500M and MSR without Fingerprint Reader	7Q7L6AA
HP Engage Go 13.5 Black with Ingenico Moby 5500M includes Fingerprint Reader	7Q7L1AA
HP Engage Go 13.5 Black with Ingenico Moby 5500M without Fingerprint Reader	7Q7L2AA
HP Engage Go 13.5 White for Ingenico Moby 5500M includes Fingerprint Reader	7Q7L7AA
HP Engage Go 13.5 White for Ingenico Moby 5500M without Fingerprint Reader	7Q7L8AA
HP Engage Go 13.5 White with Ingenico Moby 5500M includes Fingerprint Reader	7Q7L3AA
HP Engage Go 13.5 White with Ingenico Moby 5500M without Fingerprint Reader	7Q7L4AA
HP Engage Go Dock - Black	5JG51AA
HP Engage Go Dock - White	5JG52AA
HP Engage Go Magnetic Stripe Reader	6K9B2AA
HP Engage Heavy Duty Cash Drawer RL	8QX99AA
HP Engage One Prime Cash Drawer Cable	5UU45AA
HP Engage One Pro AiO Advanced Fanless Hub Kit	9YH40AA
HP Engage One Retail Advanced I/O Connectivity Base	5LT84AA
HP Engage USB-C to HDMI Adapter	6FV70AA

POS Bar Code and Magnetic Stripe Readers

Datalogic 4090 Wireless Charging Base	4P775AA
Datalogic 4190 Wireless Charging Base	4P776AA
Datalogic Gryphon GBT4500 2D Wireless Barcode Scanner	4P886AA
HP Engage 2D G2 Barcode Scanner	6Y2V4AA
HP Engage 2D G2 White Barcode Scanner	6Y2V5AA
HP Engage Imaging Barcode Scanner II	5YQ08AA
HP Engage Imaging Barcode Scanner II	5YQ08AT
HP Engage One Prime Barcode Scanner	638L9AA
HP Engage One Prime Barcode Scanner	638L9AT

POS Printer

Epson H6000V Hybrid POS Printer	4ZE21AA
Epson TM-88VI Serial Ethernet USB Printer only	2HV25AA
Epson TM-L90II Printer	4J8H7AA
Epson TM-T20IIIL Serial USB Printer	340U3AA
Epson TM-T88VII PUSB Thermal Printer	8G0G7AA
Epson TM-T88VII Serial Ethernet USB Thermal Printer	8G0G6AA
Epson TM-m30II Japan Printer	38N27AA
Epson TM-m30II Printer	340U1AA
Epson TM-m30II White Japan Printer	38N28AA
Epson TM-m30II White Printer	340U2AA
Epson TM88VI PUSB Printer only	6BC94AA
HP Engage PUSB Thermal Printer	299V0AA
HP Engage Serial Ethernet USB Thermal Printer	299U7AA
HP Value Thermal Receipt Printer	4AK33AA

POS Cash Drawer

HD Cash Drawer Till 5B5C	31G54AA	
HP Engage One Prime Cash Drawer	638M5AA	
HP Heavy Duty Cash Drawer	FK182AA	
HP Standard Duty Cash Drawer	QT457AA	
HP Standard Duty Cash Drawer	QT457AT	
HP Standard Duty Till with Lockable Lid	QT458AA	
HP Standard Duty Till with Lockable Lid	QT458AT	
HP USB Standard Duty Cash Drawer	E8E45AA	obsolete

Standard Duty Cash Drawer Till 4B8C	4Z4T1AA
Standard Duty Cash Drawer Till 5B5C	4Z4T0AA

POS Display Accessories

HP Engage 10 HD No Stand + VESA Mount Monitor	3F1W8A7
HP Engage 10 HD No Stand + VESA Mount Monitor	3F1W8AA
HP Engage 10t HD No Stand + VESA Mount Monitor	3F1W9AA
HP Engage 6.6 inch Display	9YH48AA
HP Engage 6.6 inch Display with Payment	156P0AA
HP Engage 6.6 inch Display without Payment	10P74AA
HP Engage 6.6 inch Pole Display	10P79AA
HP Engage 6.6 inch White Display	156N8AA
HP Engage One 10.1-inch Display	1XD80A7
HP Engage One 10.1-inch Display	1XD80AA
HP Engage One 10.1-inch Display	1XD81A7
HP Engage One 10.1-inch Touch Display	1XD81AA
HP Engage One W 10.1-inch Display	3FH66A8
HP Engage One W 10.1-inch Display	3FH66AA
HP Engage One W 10.1-inch Touch Display	3FH67A8
HP Engage One W 10.1-inch Touch Display	3FH67AA

POS Cases and Covers

HP Engage Go 13.5 Case	6K9C0AA

POS Keyboard

HP POS USB Keyboard	FK221AA
HP POS USB Keyboard	FK221AT
HP POS USB Keyboard with Magnetic Stripe Reader	FK218AA
HP POS USB Keyboard with Magnetic Stripe Reader	FK218AT

Batteries/Chargers/Adapters

Power Supplies

Epson PS-180 50W AC Adapter	2KH39AA

Rack Brackets/Bezels/ Panels/Rails/ Trays/Mounting

Mounting Kits

HP Engage Go Fixed Mount	9GF88AA
HP Engage Go Height Adjustable Pole	9GF89AA
HP Engage Go Tilt Mount	9GF87AA
HP Engage One Undercounter Mount Kit	5DS15AA

Accessories for PC

Mice/Pens/Other Pointing Devices

Wireless Mice

HP 435 Multi-Device Wireless Mouse	3B4Q5AA
HP 435 Multi-Device Wireless Mouse	3B4Q5UT

Wired Mice

HP Wired Desktop 320M Mouse	9VA80AA	
HP Wired Desktop 320M Mouse	9VA80ET	obsolete
HP Wired Desktop 320M Mouse	9VA80UT	

Port Replicators/Dongles/Docking

Port Replicators

HP Multi-Port + 90W Power Supply	6C6D2AA

Keyboards/Other Input Devices

Wired Keyboards

HP Wired Desktop 320K Keyboard	9SR37AA	
HP Wired Desktop 320K Keyboard	9SR37ET	obsolete
HP Wired Desktop 320K Keyboard	9SR37UT	

Wired Combo

HP Wired Desktop 320MK Mouse and Keyboard	9SR36AA	
HP Wired Desktop 320MK Mouse and Keyboard	9SR36ET	obsolete
HP Wired Desktop 320MK Mouse and Keyboard	9SR36UT	

Components/Upgrades

Internal ports/Modules/Controllers

HP XMM 7560 R+ LTE-Advanced Pro WWAN	7P993AA

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