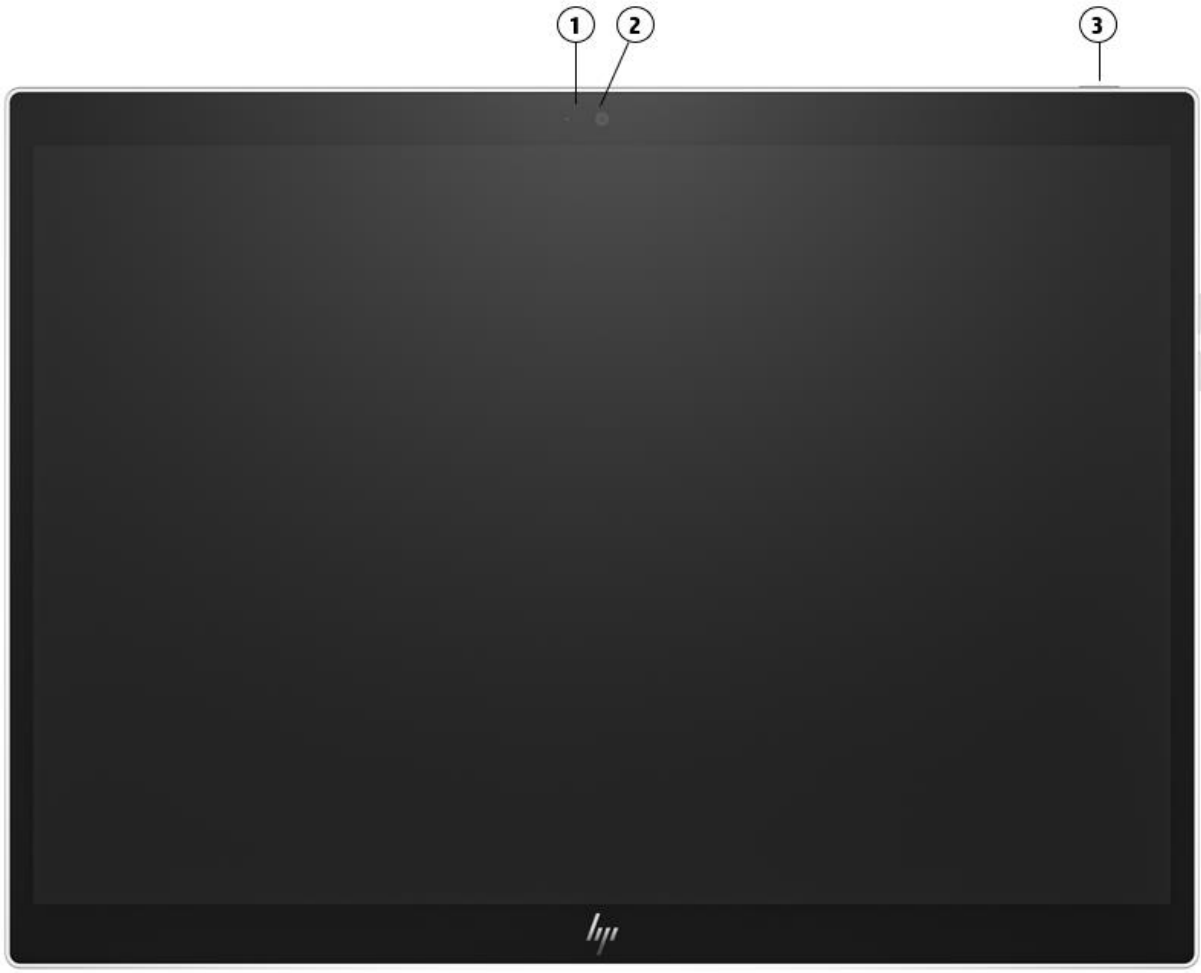
Components Overview

HP Engage Go 13.5” Convertible System

Components Overview

HP Engage Go 13.5” Convertible System



Front View

1. Front-facing camera LED
2. Front-facing camera
3. Power button

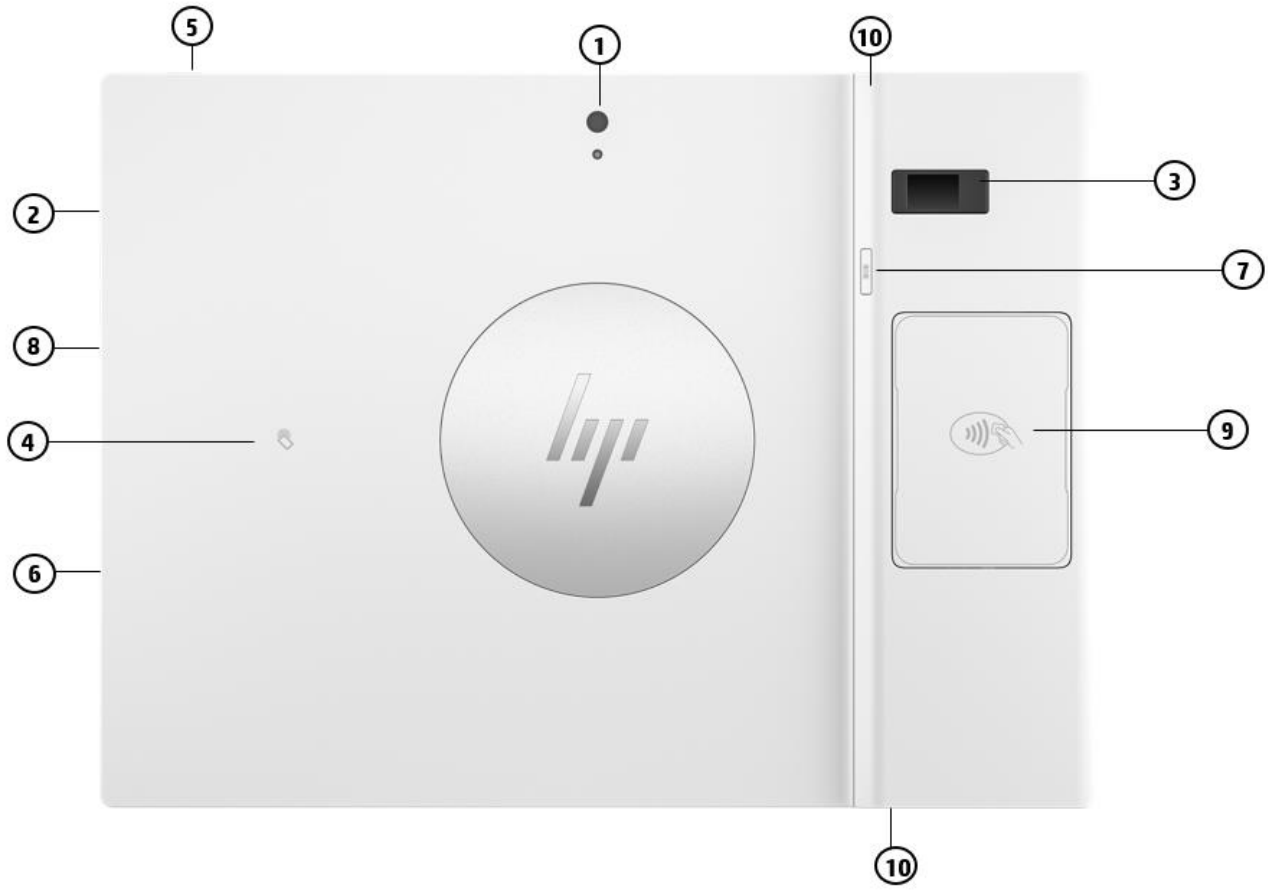
Components Overview

HP Engage Go 13.5” Convertible System with Grip
Rear View

1. Rear-facing camera
2. Volume up/down
3. Fingerprint reader (Optional)**
4. Pogo pin connector to convertible dock
5. NFC
6. Power button
7. 2 USB-C® 3.1 ports
8. Barcode scanner trigger buttons*
9. SIM Module
10. Ingenico Moby 5500M (Optional)*** or MSR (Optional)****
11. Barcode scanner upward or downward facing (Optional)

*Only available on select SKUs
**Optional feature sold separately or as an add-on feature.
***The Moby/5500M for HP Engage Go 13.5” is available for United States only and excludes integrated battery. No payment, integrated payment and payment ready available. Non-Ingenico One Gateways require Ingenico firmware updates.
****MSR is an optional feature available in select countries and requires the HP Engage Go 13.5” to be configured at purchase with payment enabled mechanical ID.

Components Overview



HP Engage Go 13.5” Mobile System with Grip
Rear View

1. Rear-facing camera
2. Volume up/down
3. Fingerprint reader (Optional)**
4. NFC
5. Power button
6. 2 USB-C® 3.1 ports
7. Barcode scanner trigger buttons*
8. SIM Module
9. Ingenico Moby 5500M (Optional)*** or MSR (Optional)****
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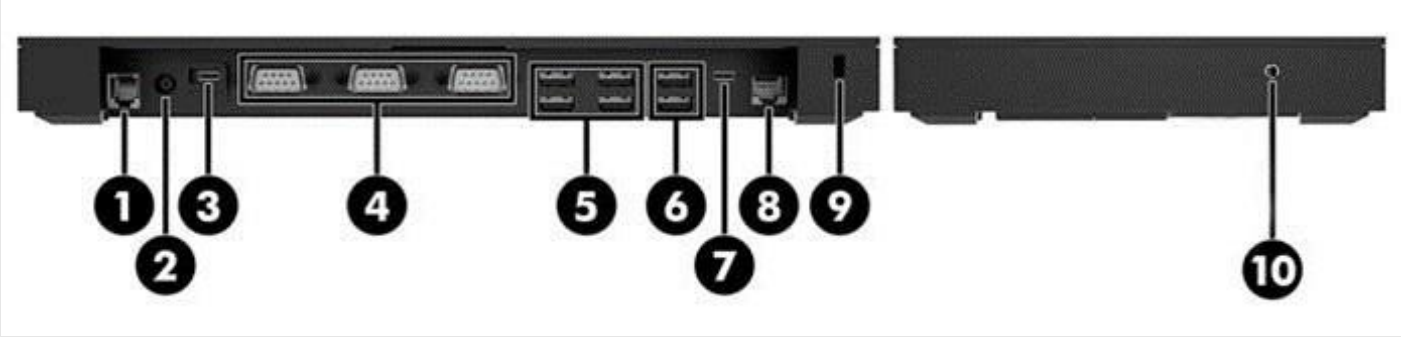
HP Engage Go Convertible System
Basic I/O Connectivity Base (Rear/Side View)

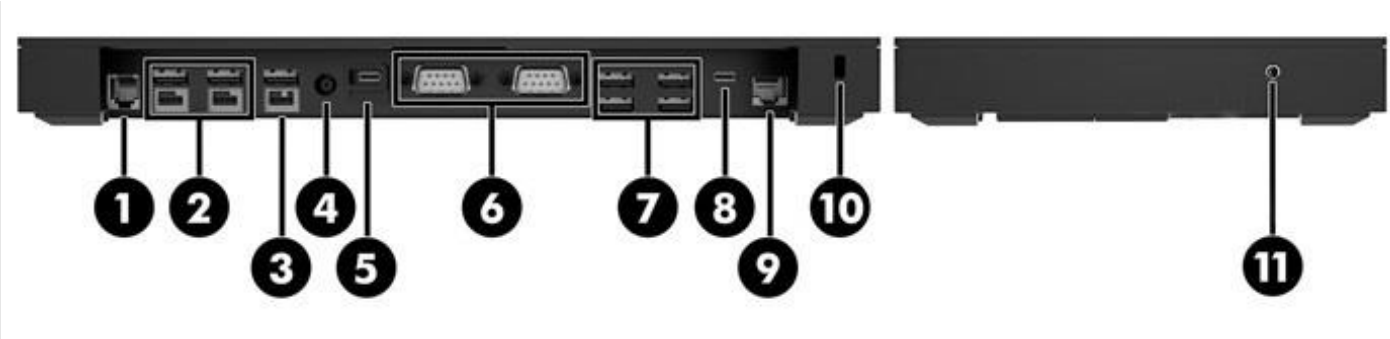


Basic I/O Connectivity Base components

1. Cash drawer jack
2. Power connector
3. USB Type-C® power port
4. Powered serial ports (3)
5. USB 2.0 ports (4)
6. USB 3.0 ports (2)
7. USB Type-C® port
8. RJ-45 network jack
9. Security cable slot
10. Headset jack

IMPORTANT: To avoid damage to the computer, DO NOT plug a telephone cable into the cash drawer jack.

Advanced I/O Connectivity Base (Rear/Side View)



Advanced I/O Connectivity Base components

1. Cash drawer jack
2. Powered USB 12 V ports (2)
3. Powered USB 24 V port
4. Power connector
5. USB Type-C® power port
6. Powered serial ports (2)
7. USB 3.0 ports (4)
8. USB Type-C® port
9. RJ-45 network jack
10. Security cable slot
11. Headset jack

IMPORTANT: To avoid damage to the computer, DO NOT plug a telephone cable into the cash drawer jack.

Overview

HP Engage Go 13.5” Case

Model

HP Engage Go 13.5” Case	6M422AV

HP Engage Go13.5 Case can protect an Engage Go 13.5 from a drop up to 48 inches(4 feet) high on to carpet.*, **

Integrated hand strap

Dimensions:
310 x 231.6 x 16.4 mm
31 x 23.16 x 1.64 cm
12.2x 9.12 x 0.65 in

Weight:
HP Engage Go 13.5” Case:
234.44g
0.52 lbs

The weight of the HP Engage Go 13.5 Case does not include the shoulder strap.

* 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.

** 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.

***Accessories sold separately.

Overview

HP Engage Go Dock

- 10 degree tilt adjustability (angle is set between 50 and 60 degrees)
- 180 degree swivel in either direction
- Choice of standard or printer column
- HP Smart Dock (locking, unlocking)
- Push release button with LED (Amber, White, Green) for unlocking
- Pogo pin interface (power, USB, video), magnet-assisted connection with tablet
- Stability plate (attaches to HP Advanced and Basic Connectivity Base)
- Optional countertop mounting bracket
- Configurable with connectivity base
- Ebony Black or Ceramic White color
- Use both hands while docking tablet to the HP Engage Go Dock

Dimensions (W X D X H)

Overview

Convertible Dock (standard column)
28.39 x 16.17 cm x 24.53 cm (283.9 x 161.7 mm x 245.3 mm)
11.18 x 6.37 in x 9.66 in
9.60 cm diameter (96 mm)
3.78 in diameter

Convertible Dock (printer column)
28.39 x 16.17 cm x 28.52 cm (283.9 x 161.7 mm x 285.2 mm)
11.18 x 6.37 in x 11.23 in
9.60 cm diameter (96 mm)
3.78 in diameter

Weight (Grams, lbs.)

Convertible Dock (standard column)
2480g (5.49lbs)

Overview

HP Engage Go 13.5 Column Thermal Printer G2

Model

HP Engage Go 13.5 Column Thermal Printer G2	Configurable option only in black. Not available as after-market option.

Introduction

The Engage Go 13.5 Column Thermal Printer G2 features a unique, save-saving column design. It offers a faster speed and a more robust design vs. its predecessor. It is a configurable option only.

Key Features and Benefits

- Unique space-saving design
- Print speed up to 200 mm/ sec, improved gen-over-gen
- Robust set of supported character sets/ resident code pages and barcodes
- Available as a configurable-to-order option
- Not available as an after-market option
- Available in black only

Service and Support

Three-(3) year limited warranty with advance exchange when purchased from HP.

Overview

General	**Supported Character Sets/ Resident Code Pages**	290 (Japanese Katakana Extended) 437 (US, Standard Europe) 720 (Arabic) 737 (Greek) 850 (Multilingual Latin I) 852 (Latin II) 855 (Cyrillic) 857 (Turkish) 858 (Multilingual I + Euro) 860 (Portuguese) 862 (Hebrew) 863 (Canadian/French) 864 (Arabic) 865 (Nordic) 866 (Russian) 932 (Japanese Shift JIS) 936 (Simplified Chinese) 949 (Korean) 950 (Traditional Chinese) 1125 (Ukranian) 1250 (Central Europe) 1251 (Cyrillic) 1252 (Windows Latin I) 1253 (Greek) 1254 (Turkish) 1255 (Hebrew) 1256 (Arabic) 1257 (Baltic) 1258 (Vietnamese) ISO8859-2 (Latin 2) KU42 (Thai) Unicode support for resident fonts/ Code Pages
	Bar Codes	**1D:** UPC-A, UPC-E, EAN8, EAN13, Code 39, Code 93, Interleaved 2 of 5 Codabar, Code 128, Code 128, EAN 128, GS1 Databar **2D:** Datamatrix, QR code, PDF 417
	Print Method	Direct Thermal
	Printing Speed	Up to 200 mm/sec throughput monochrome
	Printer Sensor	Paper presence
	Resolution	203 dpi (8-dots/mm)
	Print Width	72 mm with 80 mm paper roll
	Flash Memory	8 MB
	RAM	8 MB
	Knife	Full and Partial cuts supported
	Receipt-Columns	44/56
	Paper Type	Thermal paper

Overview

	Paper Loading	Drop-in
	PaperThickness Range	2.3–3.2 mils (60–82 µm)
	Roll Core Diameter	25 mm
	External Paper Diameter	51 mm max
	Cash Drawers	One connector can drive two cash drawers with separately purchased slitter cable (default configuration is connection to one cash drawer)
Mechanical	**Dimensions**	(LXWxH): 3.8 in x 3.8 in x 10.9 in (96 mm x 96 mm x 277 mm)
	Weight	4.6 lb (2.1 kg)
	Color	Ebony Black
Interface/Connection	**Interface**	Standard USB 2.0 type A to type B mini 24V cash drawer support with RJ12 interface
Power	**External Power Supply**	65 w
	Operating Voltage	24 V
	Typical Current	1.1 A
	Idle Current	25mA
Temperature Range	**Operating**	50°F to 104°F (10°C to 40°C) at 20% to 85% humidity
	Non-operating	22°F to 149°F (-30°C to 65°C) at 5% to 90% humidity
Drivers	Windows, OPOS, JPOS	

OperatingSystems

Windows

- Windows 11 Pro 64-bit
- Windows 10 Pro 64-bit
- Windows 10 IoT Enterprise 2019 LTSC 64-bit (RS5-based)
- Windows 10 IoT Enterprise 2016 LTSB 64-bit (RS1-based)

Linux

- CentOS: 8.4.2105-x86_64
- Fedora: Workstation-Live-x86_64-34-1.2
- OpenSUSE: Leap-15.3-DVD-x86_64
- SUSE Linux:12-SP5-Server-DVD-x86_64-GM-DVD1, SUSE Linux-15-SP2-Full-x86_64, SUSE Linux 15-SP3-Full-x86_64
- Ubuntu 18.04.05-desktop-amd64, ubuntu-20.04.2.0-desktop-amd64, ubuntu-mate-20.04.2.0-desktop-amd64

Reliability

MCBF Knife Cuts: 1-million

Print Head Life: 100 km

Agency Certifications

Safety

UL 62368-1

CAN/ CSA C22.2 No. 62368-1

IEC/ EN 62382-1 2nd Edition GB4943.1-2011-China

IS 13252-1 (2010)/A1:2013/A2:2015

Radiated Emissions:

FCC 47CFR, Part 15, Class B ICES-003: 2012, Issue 6, Class B EN 55032:2015 Class B

CISPR22 Class B

VCCI: V-3/2015.04 Class B AS/ NZS 3548

Immunity:
EN55035
EN61000-4-2 Level 4 (8kV direct, 15kV air discharge) EN61000-4-3: Level 3 (10V/m)
EN61000-4-6 Level 3 (10V rms)
EN61000-4-4: Level 3 (2kV mains, 1kV data lines) RoHS, WEEE

NOTE: This printer does not comply with fiscalization requirements that may be required in certain countries.

HP Engage Go Magnetic Stripe Reader

Model

HP Engage Go Magnetic Stripe Reader 6K9B2AA

Enable your HP Engage Go with an integrated magnetic stripe reader that supports a multitude of card types for customer use and employee authentication.* This easy to use reader adds functionality to conduct business wherever it´s needed.

Dimensions:
81x 54x 12.5mm (3.19x 2.12 x .49 inches)

Weight:
37 grams

*Hardware supports Payment Module or Magnetic Stripe Reader, not both. MSR is an optional feature available in select countries and requires the HP Engage Go to be configured at purchase with payment enabled mechanical ID.
*AMO kit only comes with MSR module.

HP Engage Go 13.5” Mobile

- Up to 5G (US only)[8]
- Windows® 11 Pro 64[7], Windows® 10 IoT Enterprise 2021 LTSC 64-Value, FreeDOS
- 11th Generation Intel® Core™ i3-1110G4 & Intel® Core™ i5-1140G7 Processor[1]
- 13.5” diagonal, WUXGA+ (1920x1280) IPS, Touch with Corning® Gorilla® Glass 5, 340nits, sRGB100%.
- M.2 2230 solid state drives
- Soldered down LPDDR4x memory
- 3-cell, 42Whr[9] Long Life CB with Fast Charge Battery[5]
- 802.11 ax Wi-Fi® (2x2)[10]
- Bluetooth® 5.0 connectivity (combo card with Wi-Fi 6[11])
- LTE/HSPA+ with GPS WWAN options available
- NFC
- Optional integrated Ingenico Moby 5500M (US only)[6], MSR, Fingerprint reader, and barcode scanner[2,3]
- IP 54 rating[4]
- Ebony Black or Ceramic White color

[1]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.

[2]Accessories sold separately.

[3]HP Engage Go 13.5” with optional Payment will void IP rating. Optional payment available in US only. Test results are not a guarantee of future performance under these test conditions. Accidental damage requires an optional HP Accidental Damage Protection Care Service.

[4] 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” Convertible System is IP54 rated. If unit has optional payment device IP rating goes down to IP40.

[5]Recharges the battery up to 50% within 30 minutes when the system is off or in standby mode. Power adapter with a minimum capacity of 65 watts is required. After charging has reached 50% capacity, charging will return to normal. Charging time may vary +/-10% due to System tolerance.

[6]The Moby/5500M for HP Engage Go 13.5” is available for United States only and excludes integrated battery. No payment, integrated payment and payment ready available. Non-Ingenico One Gateways require Ingenico firmware updates.

[7] 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 .

[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]Actual battery Watt-hours (Wh) will vary from design capacity. Battery capacity will naturally decrease with shelf life, time, usage, environment, temperature, system configuration, loaded apps, features, power management settings and other factors.

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

[11]Wireless access point and Internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 6 (802.11ax) is backwards compatible with prior 802.11 specs. The specifications for Wi-Fi 6 are draft specifications and are not final. If the final specifications differ from the draft

Overview

specifications, it may affect the ability of the notebook to communicate with other 802.11ax WLAN devices. Only available in countries where 802.11ax is supported.

DIMENSIONS AND WEIGHT

Dimensions (W X D X H)

Base Height
24.63 cm (246.34 mm)
9.7 in

Height from base to top of HP Engage Go 13.5” Convertible System
When tilted down

- 28.58 cm
- 285.8 mm
- 11.24 in

When tilted up

- 29cm
- 290 mm
- 11.417 in

Retail Tablet
Tablet only:
11.81 x 8.72 x 0.5 in
30 x 22.16 x 1.27 cm

Weight (Grams, lbs.)

Retail Tablet (case not included)
1045g (2.303 lbs)*

Retail Tablet with HP Engage Go 13.5” Case*
1279.44g (2.823 lbs)*
* Starting weight. Weight will vary by configuration.

PORTS

(2) USB-C® 3.1 supports PD 2.0 and DP1.2 Alt mode
(1) pogo pin connector to convertible dock (select models)

SERVICE AND SUPPORT

3-year standard parts, labor and onsite limited warranty. Online technical support is available seven days a week, 24 hours a day. Certain restrictions and exclusions apply. Depending on country; 3-year limited warranty on primary battery. Optional HP Care

Overview

Pack Services are extended service contracts which go beyond your standard warranties. Service levels and response times for HP Care Packs may vary depending on your geographic location. Restrictions and limitations apply. Service starts at date of hardware purchase. For details, visit http://www.hp.com/go/cpc.

NOTE: Certain restrictions and exclusions apply. Consult the HP Customer Support Center for details.
http://h20000.www2.hp.com/bizsupport/TechSupport/ProductRoot.jsp

Features

OPERATING SYSTEM

Preinstalled

Windows 11 Professional (64-bit)*

Windows 10 IoT Enterprise 2021 LTSC 64-bit*

FreeDOS

*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 .

PROCESSOR

Intel® 11th generation Core™ processors[1,2]

- Intel® Core™ i3-1110G4 with Intel® UHD Graphics (up to 3.9 GHz with Intel® Turbo Boost Technology, 6 MB L3 cache, 2 cores, 4 threads)
- Intel® Core™ i5-1140G7 with Intel® Iris® Xe Graphics (up to 4.20 GHz with Intel® Turbo Boost Technology, 8 MB L3 cache, 4 cores, 8 threads), supports Intel® vPro® Technology[3,4,5,6]

[1]Chipset is integrated with processor.
[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]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/turboboost for more information.
[4]For full Intel® vPro® functionality, Windows 10 Pro 64 bit or higher, 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
[5]Intel® Iris® Xe Graphics capabilities require system to be configured with Intel® Core™ i5 or i7 processors and dual channel memory. Intel® Iris® Xe Graphics with Intel® Core™ i5 single channel memory will only function as UHD graphics.
[6]Intel vPro® requires Windows 10 Pro 64 bit or higher, a vPro supported processor, vPro enabled chipset, vPro enabled wired LAN and/or Wi-Fi 6E WLAN and TPM 2.0. Some functionality requires additional 3rd party software in order to run. Features of vPro® Essentials and Enterprise vary. See http://intel.com/vpro

Features

MEMORY

Memory Soldered Down

LPDDR4X 4266:
4096MB Total System Memory
8192MB Total System Memory
16384MB Total System Memory

*Onboard memory not customer accessible/upgradeable

STORAGE

Internal Storage Device

Supports M.2 SSD 2230

SSD 256GB 2230 PCIe NVMe Value

* 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.

DISPLAY

Internal

13.5 in diagonal WUXGA+ (1920 x 1280) BrightView UWVA WLED+LBL sRGB NB2Y 400 eDP 1.4+PSR2 Low-Power 100 bent LCD Panel
Display response time: 30ms (typ.) & 35ms (max)
Contrast Ratio: 1500:1
Refresh Rate: 60Hz

Features:

- 1920 x 1280 High Definition * resolution**
- 3:2 aspect ratio
- Brightness (typical) - 340 nits (cd/m²)***
- 10-point capacitive touch solution, direct bonding
- Anti-smudge with Corning® Gorilla® Glass 5

*High definition (HD) content is required to view high-definition images
**Resolutions are dependent upon monitor capability, and resolution and color depth settings.
*** All specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.

GRAPHICS

Intel® Iris® Xᵉ Graphics with shared video memory*

Features

*Intel® Iris® Xe Graphics capabilities require system to be configured with Intel® Core™ i5 or i7 processors and dual channel memory. Intel® Iris® Xe Graphics with Intel® Core™ i5 or 7 processors and single channel memory will only function as UHD graphics.

NETWORKING/COMMUNICATIONS

Integrated Wi-Fi*

Intel® Wireless-AC AX201 802.11ac 2x2 Wi-Fi® and Bluetooth® 5.0 Combo Adaptor, non-vPro®
Intel® Wireless-AC 8265 802.11ac 2x2Wi-Fi® and Bluetooth® 5.0 Combo Adaptor, vPro®

WLAN Antennas (2) (configured with panel on all units)
Bluetooth® Disabled IOPT
Support for Miracast
Supports WLAN/LAN/WWAN switching
Support HP Connection Optimizer
Support S4 Wake on Wireless LAN
Support for DYNAMIC Wi Fi SAR in BIOS

WWAN
Intel® XMM™ 7560 LTE Advanced Pro CAT 16**
Intel 5G Solution 5000 WWAN***

SIM Module: (user-accessible on side of slate) (4FF/nano SIM). (SIM module installed in factory when Service Provider is configured)
WWAN Antennas (2 for 4G, 3 for 5G)
WWAN cards are compatible with a programmable removable eSIM

NFC
NXP NPC300 Near Field Communication Module

*Wireless access point and Internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 6 (802.11ax) is backwards compatible with prior 802.11 specs. The specifications for Wi-Fi 6 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 802.11ax WLAN devices. Only available in countries where 802.11ax is supported.

** WWAN is an optional feature, requires factory configuration and separately purchased service contract. Check with service provider for coverage and availability in your area. 4G LTE not available on all products, in all regions.

*** 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.

[1]vPro® is only supported on the HP Engage Go Mobile (Intel® Core™ i5-7Y57 processor) in wireless mode when configured with the Intel WLAN AX201 with vPro® Card

Features

NXP NPC300 Near Field Communication Module	
Main chipset	NXP NPC300
Frequency	13.56 MHz
NFC Standards	ISO/IEC 14443A, ISO/IEC 14443B PCD FeliCa PCD mode Mifare PCD encryption mechanism ISO/IEC 15693/ICODE VCD mode NFC Forum tags NFCIP-1/NFCIP-2 protocol EMVCo 2.0.1 for PICC and PCD mode NFC Forum Wave 1 and Wave 2 ETSI/SCP 102 613 and 102 622 for SWP/HCI
Host interface	NCI protocol interface according to NFC Forum NCI 1.0 standardization I²C High-speed mode supported
I²C Address	0x29
Host connector	15 pin FPC/FFC
Antenna connector	7 pin FPC/FFC
Operation temperature	-25~80°C
Storage temperature	-25~125°C
Weight	0.81g

AUDIO/MULTIMEDIA

Audio

HD Audio
Audio Solution Codec ALC3247
Stereo Speakers (1)

Cameras

RGB Camera:
Front facing camera 2MP with webcam LED indicator
World facing Camera: 8MP
IR Camera

Sensors

Accelerometer
Gyroscope
Ambient light sensor
Magnetometer

POWER

Power Supply

HP 65W USB Type-C® AC Adapter non-PFC, Length: DC = 1.8m - Supports HP Fast Charging**

Battery*

3-cell Long Life CB 42Whr-supports fast charging**,****
Battery life: Up to 10 hours***

Features

*MM18 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 http://www.bapco.com/ for additional details.
**Recharges the battery up to 50% within 30 minutes when the system is off or in standby mode. Power adapter with a minimum capacity of 65 watts is required. After charging has reached 50% capacity, charging will return to normal.
Charging time may vary +/-10% due to System tolerance.
*** Battery life not including payment. MM18 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.
****Actual battery Watt-hours (Wh) will vary from design capacity. Battery capacity will naturally decrease with shelf life, time, usage, environment, temperature, system configuration, loaded apps, features, power management settings and other factors.

Features

Barcode scanner

Image Sensor		1280*800 CMOS
Illumination		White LED
Aiming		650nm laser
Scan Angle		Roll: 360°, Pitch ±60°, Skew±60°
Field of View		Horizontal 42°, Vertical 28°
Symbologies	2D	PDF 417, QR Code, Micro QR, Data Matrix, Aztec, Maxicode, GM Code, Chinese Sensible Code, Micro PDF417, CodeOne
	1D	Code 11, Code 128, Code 39, GS1 128 (UCC/EAN-128), AIM 128, Codabar, ISBT 128, Code 93, UPC-A, UPC-E, Coupon, GS1 Composite, EAN-13, EAN-8, ISSN, ISBN, Interleaved 2 of 5, Matrix 2 of 5, ITF14, ITF6, Industrial 25, Standard 25, China Post 25, MSI Plessey, Plessey, GS1 Databar (RSS), Code 49, Code 16k
	Postal Code	USPS Postnet, Royal Mail, USPS Planet, KIX Post, Australian Postal
	OCR	Passport MRZ (OCR-B)

Typical Depth of Field

EAN-13	75-400mm (13 mil)
Code 39	100-250mm (5mil)
PDF417	80-225mm (6.7mil)
Data Matrix	75-215mm (10 mil)
QR Code	45-295mm (15 mil)

[1] Barcode quality and environmental conditions may affect performance.

SOFTWARE AND SECURITY

BIOS

HP BIOSphere Gen6[9]
Secure Erase
Absolute Persistence Module[1]
Allow BIOS Rollback
HP DriveLock & Automatic DriveLock
Hardware Root or Trust
HP BIOS Protection (NIST 800-147)
HP SpareKey
Hybrid Boot
Master Record Security
Measured Boot
Power On Authentication
Pre-Boot Security

Connectivity

HP MAC Address Manager
HP Connection Optimizer

Platform Enabling Apps & Support

HP 3D DriveGuard *
HP Hotkey Support
HP Notifications
HP LAN/WLAN/WWAN switching
HP Power Manager * (w/ thermals support)

Microsoft Products

Buy Office
Bing Search

Client Security Software

HP Client security Gen7[6]
Intel Authenticate v2.5
HP Sure Start Gen6[8]
HP Sure Recover Gen 4[15]
HP Sure Run Gen 4[15]
HP Multi-Factor Authenticate
HP Sure Admin Gen 1
Intel® vPro® Support[12]

Manageability

Intel vPro® (Core i5 SKU only)
HP Smart Dock

Technical Specifications

HP Client Security Gen 7
HP MAC Address Manager
HP PC Hardware Diagnostics
HP Hardware Diagnostics Windows
Discover HP Touchpoint Manager
HP Driver Packs (quarterly)[3]
HP System Software Manager (SSM)[3]
HP BIOS Config Utility (BCU)[3]
HP Client Catalog[3]
HP Client Integration Kit (CIK)
HP Client Security & Intel Authenticate
Microsoft Device Guard[10]
Credential Guard[10]
TPM config management
HP Audio Control
HP Power Manager
HPIA Integration & Recipes
Recipes
HP MIK for Microsoft SCCM Gen 5[5]
HP Image Assistant Gen6
HP Wolf Security[16]

For more information on HP Client Management Solutions refer to: http://www.hp.com/go/clientmanagement.

Standard

TPM 2.0 SLB9670 (Infineon; soldered down)
Drive encryption pre-boot (Password)

Optional

HP Fingerprint Reader[14]

1. BIOS Absolute Persistence module is shipped turned off, and will be activated when customers purchase and activate a subscription. Service may be limited. Check with Absolute for availability outside the U.S. The optional subscription service of Absolute Recovery Guarantee is a limited warranty. Certain conditions apply. For full details visit: http://www.absolute.com/company/legal/agreements/computrace-agreement. If Data Delete is utilized, the Recovery Guarantee payment is null and void. In order to use the Data Delete service, customers must first sign a Pre-Authorization Agreement and either create a PIN or purchase one or more RSA SecurID tokens from Absolute Software.
2. Skype is not offered in China.
3. Not preinstalled, however available for download at http://www.hp.com/go/clientmanagement
4. Requires Windows and Internet Access
5. HP Manageability Integration Kit can be downloaded from http://www8.hp.com/us/en/ads/clientmanagement/overview.html
6. Requires Windows and Intel®.
7. HP Sure Click is available on select HP platforms and supports Microsoft® Internet Explorer, Google Chrome, and Chromium™. Supported attachments include Microsoft Office (Word, Excel, PowerPoint) and PDF files in read only mode. Check http://h20195.www2.hp.com/v2/GetDocument.aspx?docname=4AA7-0922ENW for all compatible platforms as they become available.
8. HP Sure Start Gen6 is available on the HP Engage Go Convertible equipped with 11th generation Intel® processors.
9. HP BIOSphere Gen4 is available on the HP Engage Go Mobile equipped with 7th generation Intel® processors.
10. 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.
11. HP Sure Run, Sure Recover is supported on Win 10 Pro & Win 10 IoT Enterprise 2019 LTSC.
12. vPro® support also requires a vPro WLAN Card for these products. Intel® vPro® supported processor required.

14. Optional feature sold separately or as an add-on feature.
15. HP Sure Run, Sure Recover is supported on Win 10 Pro or higher & Win 10 IoT Enterprise 2019 LTSC or higher.
16. HP Wolf Security for Business requires Windows 10 or 11 Pro and higher, includes various HP security features and is available on HP Pro, Elite, RPOS and Workstation products. See product details for included security features.

TEMPERATURE, HUMIDITY, ALTITUDE

Temperature	**Operating**	32° to 95° F (0 to 35° C)
	Non-operating	-4° to 140° F (-20°to 60° C)
Relative humidity (noncondensing)	**Operating**	10 to 90%
Shock	**Operating**	40G, 2ms, half-sine wave
	Non-operating	240G, 2ms, half-sine wave
Random Vibration	**Operating**	1.043grms
	Non-operating	3.5grms
Altitude (unpressurized)	**Operating**	-50 to 10,000 ft (-15 to 3,048 m)
	Non-operating	-50 to 40,000 ft (-15 to 12,192 m)

ENVIRONMENTAL DATA

Eco-Label Certifications & declarations	This product has received or is in the process of being certified to the following approvals and may be labeled with one or more of these marks: • IT ECO declaration • US ENERGY STAR® • US Federal Energy Management Program (FEMP) • EPEAT® Gold with Climate+ registered configurations available. See www.epeat.net for registration status and tier levels by country.* • China Energy Conservation Program (CECP) • China State Environmental Protection Administration (SEPA) • Taiwan Green Mark • Korea Eco-label • Japan PC Green label* *Based on US EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. EPEAT® status varies by country. Visit www.epeat.net for more information		
Sustainable Impact Specifications	• 15% post-consumer recycled plastic • Low halogen • Outside Box and corrugated cushions are 100% sustainably sourced and recyclable • Recycled Plastic cushions • Bulk packaging available		
System Configuration	The configuration used for the Energy Consumption and Declared Noise Emissions data for the Notebook model is based on a “Typically Configured Notebook”.		
Energy Consumption (in accordance with US ENERGY STAR® test method)	**115VAC, 60Hz**	**230VAC, 50Hz**	**100VAC, 50Hz**
Normal Operation (Short idle)	4.81 W	4.89 W	4.67 W
Normal Operation (Long idle)	0.74 W	0.78 W	0.75 W
Sleep	0.74 W	0.78 W	0.75 W
Off	0.31 W	0.35 W	0.31 W

Technical Specifications

	NOTE: Energy efficiency data listed is for an ENERGY STAR® compliant product if offered within the model family. HP computers marked with the ENERGY STAR® Logo are compliant with the applicable U.S. Environmental Protection Agency (EPA) ENERGY STAR® specifications for computers. If a model family does not offer ENERGY STAR® certified configurations, then energy efficiency data listed is for a typically configured PC featuring a hard disk drive, a high efficiency power supply, and a Microsoft Windows® operating system.		
Heat Dissipation*	**115VAC, 60Hz**	**230VAC, 50Hz**	**100VAC, 50Hz**
Normal Operation (Short idle)	16.5 BTU/hr	16.7 BTU/hr	16 BTU/hr
Normal Operation (Long idle)	2.5 BTU/hr	2.7 BTU/hr	2.6 BTU/hr
Sleep	2.5 BTU/hr	2.7 BTU/hr	2.6 BTU/hr
Off	1.1 BTU/hr	1.2 BTU/hr	1.1 BTU/hr
	NOTE: Heat dissipation is calculated based on the measured watts, assuming the service level is attained for one hour.		

Declared Noise Emissions (in accordance with ISO 7779 and ISO 9296)	Sound Power (L_{WAd}, bels)	Sound Pressure (L_{pAm}, decibels)
Typically Configured – Idle	2.6	14.4
Fixed Disk – Random writes	2.6	14.5
Optical Drive – Sequential reads	2.6	14.5
Longevity and Upgrading	This product can be upgraded, possibly extending its useful life by several years. Upgradeable features and/or components contained in the Spare parts are available throughout the warranty period and or for up to “5” years after the end of production.	
Additional Information	• This product is in compliance with the Restrictions of Hazardous Substances (RoHS) directive - 2011/65/EC. • This HP product is designed to comply with the Waste Electrical and Electronic Equipment (WEEE) Directive – 2002/96/EC. • This product is in compliance with California Proposition 65 (State of California; Safe Drinking Water and Toxic Enforcement Act of 1986). • This product is in compliance with the IEEE 1680 (EPEAT) standard, see www.epeat.net • Plastics parts weighing over 25 grams used in the product are marked per ISO11469 and ISO1043. • This product is 97.4% recycle-able when properly disposed of at end of life.	

HP Engage Go 13.5 Single-unit (including stand) Packaging:			
Packaging Materials	**External:**	PAPER/Corrugated	986 grams
	Internal:	PAPER/ Corrugated	1,472 grams
		PLASTIC/Polyethylene low density – LDPE	29 grams
HP Engage Go 13.5 Head-unit Only (with Optional detached Hub) Packaging:			
Packaging Materials	**External:**	PAPER/Corrugated	598 grams
	Internal:	PAPER/ Corrugated	588 grams
		PLASTIC/Polyethylene low density – LDPE	15 grams
	The plastic packaging material contains at least 100% recycled content.		
	The corrugated paper packaging materials contains at least 14.9% recycled content.		
RoHS Compliance	HP Inc. complies fully with materials regulations. We were among the first companies to extend the restrictions in the European Union (EU) Restriction of Hazardous Substances (RoHS) Directive to our		

Technical Specifications

	products worldwide through the HP GSE. HP has contributed to the development of related legislation in Europe, as well as China, India, and Vietnam. We believe the RoHS directive and similar laws play an important role in promoting industry-wide elimination of substances of concern. We have supported the inclusion of additional substances—including PVC, BFRs, and certain phthalates—in future RoHS legislation that pertains to electrical and electronics products. We met our voluntary objective to achieve worldwide compliance with the new EU RoHS requirements for virtually all relevant products by July 2013, and we will continue to extend the scope of the commitment to include further restricted substances as regulations continue to evolve. To obtain a copy of the HP RoHS Compliance Statement, see HP RoHS position statement.
Material Usage	This product does not contain any of the following substances in excess of regulatory limits (refer to the HP General Specification for the Environment at http://www.hp.com/hpinfo/globalcitizenship/environment/pdf/gse.pdf): • Asbestos • Certain Azo Colorants • Certain Brominated Flame Retardants – may not be used as flame retardants in plastics • Cadmium • Chlorinated Hydrocarbons • Chlorinated Paraffins • Formaldehyde • Halogenated Diphenyl Methanes • Lead carbonates and sulfates • Lead and Lead compounds • Mercuric Oxide Batteries • Nickel – finishes must not be used on the external surface designed to be frequently handled or carried by the user. • Ozone Depleting Substances • Polybrominated Biphenyls (PBBs) • Polybrominated Biphenyl Ethers (PBBEs) • Polybrominated Biphenyl Oxides (PBBOs) • Polychlorinated Biphenyl (PCB) • Polychlorinated Terphenyls (PCT) • Polyvinyl Chloride (PVC) – except for wires and cables, and certain retail packaging has been voluntarily removed from most applications. • Radioactive Substances • Tributyl Tin (TBT), Triphenyl Tin (TPT), Tributyl Tin Oxide (TBTO)
Packaging Usage	HP follows these guidelines to decrease the environmental impact of product packaging: • Eliminate the use of heavy metals such as lead, chromium, mercury and cadmium in packaging materials. • Eliminate the use of ozone-depleting substances (ODS) in packaging materials. • Design packaging materials for ease of disassembly. • Maximize the use of post-consumer recycled content materials in packaging materials. • Use readily recyclable packaging materials such as paper and corrugated materials. • Reduce size and weight of packages to improve transportation fuel efficiency. • Plastic packaging materials are marked according to ISO 11469 and DIN 6120 standards.

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End-of-life Management and Recycling	HP Inc. offers end-of-life HP product return and recycling programs in many geographic areas. To recycle your product, please go to: http://www.hp.com/go/reuse-recycle or contact your nearest HP sales office. Products returned to HP will be recycled, recovered or disposed of in a responsible manner. The EU WEEE directive (2002/95/EC) requires manufacturers to provide treatment information for each product type for use by treatment facilities. This information (product disassembly instructions) is posted on the Hewlett Packard web site at: http://www.hp.com/go/recyclers. These instructions may be used by recyclers and other WEEE treatment facilities as well as HP OEM customers who integrate and re-sell HP equipment.
HP Inc. Corporate Environmental Information	For more information about HP’s commitment to the environment: Global Citizenship Report http://www.hp.com/hpinfo/globalcitizenship/gcreport/index.html Eco-label certifications http://www8.hp.com/us/en/hp-information/environment/ecolabels.html ISO 14001 certificates: http://www.hp.com/hpinfo/globalcitizenship/environment/pdf/PC_GBU_Product_Design_ISO_14K_Certificate.pdf and http://www.hp.com/hpinfo/globalcitizenship/environment/pdf/cert.pdf
footnotes	• Percentage of ocean-bound plastic contained in each component varies by product • Recycled plastic content percentage is based on the definition set in the IEEE 1680.1-2018 standard. • External power supplies, WWAN modules, power cords, cables and peripherals excluded. • 100% outer box packaging and corrugated cushions made from sustainably sourced certified and recycled fibers. • Fiber cushions made from 100% recycled wood fiber and organic materials. • Plastic cushions are made from >90% recycled plastic.

EPEAT® registered[1]

IEC 60601-1-2 tested

ENERGY STAR® certified**

Low halogen*
508 compliance
Mercury-free display backlights and arsenic-free display glass

All HP computing products are delivered by SmartWay carriers***

Recycled Packaging[3]
The plastic recycled content is equal to, or greater than 90%[2].
The main cushions for the HP Engage Go 13.5” Mobile unit and HP Engage Go Dock stand are made from 100% recycled expanded polyethylene[4].

Eligible for free recycling or cash back through HP’s Planet Partners Recycling and Consumer Buyback programs (http://www.hp.com/go/easybuyback)****

HP Corporate Environmental Information

For more information about HP's commitment to the environment:

Global Citizenship Report

http://www.hp.com/hpinfo/globalcitizenship/gcreport/index.html

Technical Specifications

Environment website: http://www.hp.com/environment

1. Based on US EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. EPEAT® status varies by country. Visit www.epeat.net for more information.
EPEAT® registered where applicable. EPEAT registration varies by country. See www.epeat.net for registration status by country. (When Product is launched)
2. 5% ocean bound plastics in speaker enclosure.
3. 100% outer box/corrugate cushion packaging made from sustainably sourced certified and recycled fibers.
4. Fiber cushions made from 100% recycled wood fiber and organic material. Any plastic cushions are made from >90% recycled plastic. Excludes plastic bags and plastic foam sheeting.

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

** ENERGY STAR® is a registered trademark of the U.S. Environmental Protection Agency.

*** Designation based on actions to reduce transportation-related emissions. SmartWay: US only. (14e) Free recycling in select countries.

**** Program may not be available in your area. Check http://www.hp.com/go/recycling to see if HP offers free recycling in your area

COUNTRY OF ORIGIN

China

Options and Accessories (sold separately and availability may vary by country)

Type	Description	Part #
Case	HP Engage Go 13.5” Case	6M422AV
Docking	HP Engage Go Dock Black	5JG51AA
Input/Output	HP Engage Go Advanced I/O Connectivity Base	5LT84AA
	HP Engage Go Basic I/O Connectivity Base	5LT86AA
	HP Engage Go Advanced I/O Connectivity Base White	5LT85AA
	HP Engage Go Basic I/O Connectivity Base White	5LT87AA
Hub Covers	HP Engage One Hub Cover Black	5DS16AA
	HP Engage One Hub Cover White	5DS17AA
Mount Kits	HP Engage One Undercounter Mount Kit	5DS15AA
	HP Engage Go Tilt Mount*	9GF87AA
	HP Engage Go Fixed Mount*	9GF88AA
	HP Engage Go Height Adjustable Pole*	9GF89AA

*HP Engage Go Tilt Mount, HP Engage Go Fixed Mount and HP Engage Go Height Adjustable Pole sold separately.

Summary of Changes

Date of change:	Version History:		Description of change:
January 26, 2023	From v1 to v2	Added	HP Engage Column Printer G2 section
February 6, 2023	From v2 to v3	Changed	NETWORKING/COMMUNICATIONS section
February 17, 2023	From v3 to v4	Changed	ENVIRONMENTAL DATA section
February 22, 2023	From v4 to v5	Changed	HP Engage Go Dock section
April 3, 2023	From v5 to v6	Changed	Format
May 2, 2023	From v6 to v7	Changed	Format page 13
July 11, 2023	From v7 to v8	Changed	NETWORKING/COMMUNICATIONS section
October 6, 2023	From v8 to v9	Changed	Options and Accessories section
January 25, 2024	From v9 to v10	Changed	ENVIRONMENTAL DATA section

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