HP Engage Go Convertible System
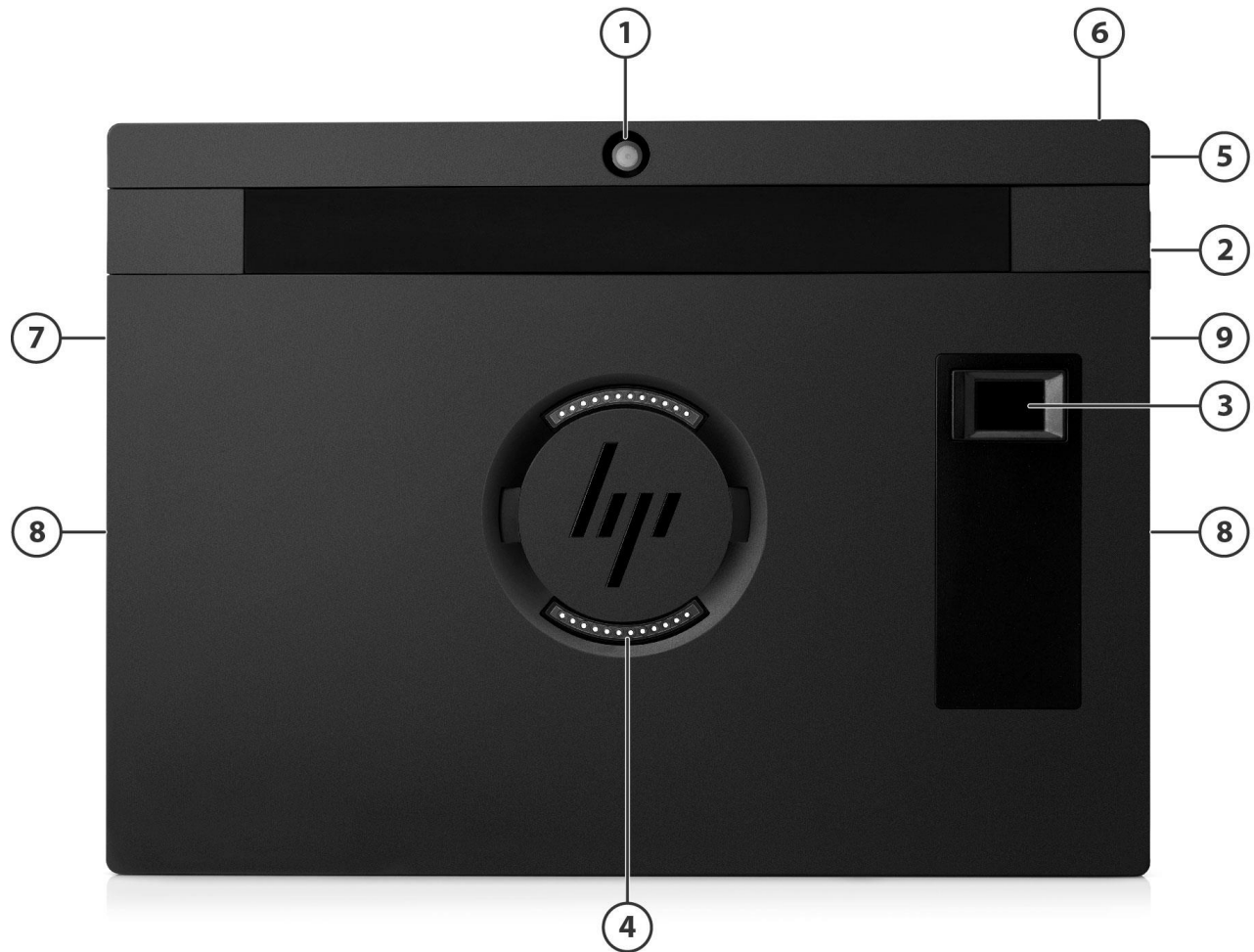
HP Engage Go Mobile
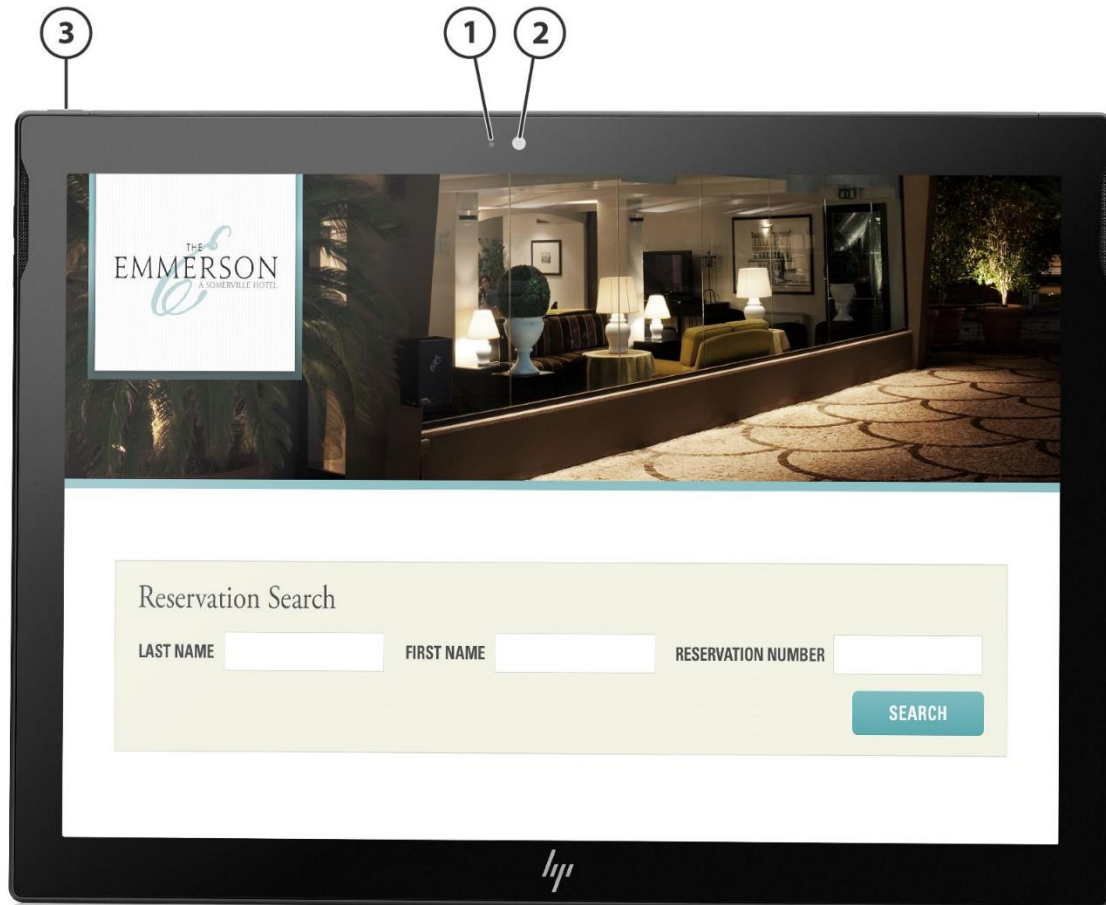
Front View

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

Components Overview

Rear View

1. Rear-facing camera
2. Volume up/down
3. Fingerprint reader
4. Pogo pin connector to convertible dock

5. Audio jack
6. Power button
7. 2 USB-C™ 3.1 ports
8. Barcode scanner trigger buttons*
9. SIM Module

*Only available on select SKUs

Overview

HP Engage Go Mobile Retail Case

Increase HP Engage Go Mobile drop specification from 3 feet (1m) to 4 feet (1.2m)*,**
(2) attach points for shoulder strap (strap included with Case)
Pen loop
Optional MSR attachment

*MIL-STD 810G testing is pending and is not intended to demonstrate fitness for U.S. Department of Defense contract requirements or for military use. Test results are not a guarantee of future performance under these test conditions. Damage under the MIL STD test conditions or any accidental damage requires an optional HP Accidental Damage Protection Care Pack.

**HP Total Test Process results are not a guarantee of future performance under these test conditions. Damage under the test conditions or any accidental damage requires an optional HP Accidental Damage Protection Care Pack.

QuickSpecs

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

Dimensions (W X D X H)

Convertible Dock (standard column)

Overview

11.18 x 6.37 in x 9.66 in
3.78 in diameter

Convertible Dock (printer column)
11.18 x 6.37 in x 11.23 in
3.78 in diameter

Weight (Grams, lbs.)

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

Convertible Dock (printer column)
3050g (6.74lbs)

HP Engage Go Mobile

- Windows® 10 Pro 64, Windows® 10 IoT Enterprise 2016 LTSB 64-Value, FreeDOS
- Intel® Kaby Lake Core™ and Pentium® processors
- Integrated Kaby Lake Premium PCH – integrated with CPU
- 12.3" diagonal capacitive multi-touch, WUXGA+ display
- M.2 2280 solid state drives
- Soldered down LPDDR3 1866 memory
- 4-cell long life polymer battery with HP Fast Charging
- 802.11ac Wi-Fi (2x2)
- Bluetooth® 4.2 connectivity (combo card with Wi-Fi)
- LTE/HSPA+ WWAN options available (not available with barcode scanner)
- Optional integrated NFC, FPR and barcode scanner
- Ebony Black or Ceramic White color

DIMENSIONS AND WEIGHT

Dimensions (W X D X H)

32.81 x 23.36 x 2.13 cm (landscape orientation, case not included)
Retail Tablet
11.33 x 8.18 x 0.51 in

(landscape orientation, case included)
Retail Tablet
11.89 x 8.73 x 0.72 in w/o MSR

MSR
4.01 x 0.82 x 0.54

Weight (Grams, lbs.)

Retail Tablet (case not included)
1098g (2.42lbs)

Overview

Retail Tablet (case included)
1257g (2.77lbs) w/o MSR
1306g (2.87lbs) w/ MSR

PORTS

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

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 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

OPERATIVE SYSTEM

Preinstalled

Windows 10 Professional (64-bit)*

Windows 10 IoT Enterprise 2016 LTSB 64-Value[1]

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 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.

PROCESSOR

Intel® 7th generation Core™ and Pentium® processors

- Intel® Pentium® 4410Y
- Intel® Core™ M3-7Y30
- Intel® Core™ i5-7Y57 vPro™**

* Chipset is integrated with processor.
* 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. Intel's numbering is not a measurement of higher performance.
**vPRO™ is only supported on the HP Engage Go Mobile (Intel® Core™ i5-7Y57 processor) in wireless mode when configured with the Intel WLAN 8265 with vPRO™ Card. 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 with future "virtual appliances" is yet to be determined.

Features

MEMORY

Memory Soldered Down
LPDDR3 1866 253 ball
Supports Dual Channel Memory
Supports up to 8GB

LPDDR3 1886:
4096 MB Total System Memory (16Gb 128Mx32x4, Qty 2)
8192 MB Total System Memory (32Gb 256Mx32x4, Qty 2)

* Onboard memory not customer accessible/upgradeable

STORAGE

Internal Storage Device

Supports M.2 SSD SS 2280

M.2 128GB SATA-3 SS TLC
M.2 256GB PCle Gen3x4 NVMe SS TLC
* GB = 1 billion bytes. Actual formatted capacity is less.

DISPLAY

Internal

12.3" diagonal capacitive multi-touch, WUXGA+ BV WLED UWVA 72% 400 nits eDP 1.4 +PSR Ultraslim (1920x1280), featuring Corning® Gorilla® Glass 4

Features:

- 1920x1280 High Definition (FHD)* resolution**
- 3:2 aspect ratio
- Brightness (typical) - 400nits (cd/m^2)***
- 10-point capacitive touch solution, direct bonding
- Anti-smudge with Corning® Gorilla® Glass 4

*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 UMA Graphics (GT2) – with shared video memory*

*Shared video memory (UMA) uses part of the total system memory for video performance. System memory dedicated to video performance is not available for other use by other programs.

Features

NETWORKING/COMMUNICATIONS

Integrated Wi-Fi*

Intel Wireless-AC 8265 802.11ac 2x2 WiFi + BT4.2 Combo Adaptor (non-vPro[1])
Intel Wireless-AC 8265 802.11ac 2x2 WiFi + BT4.2 Combo Adaptor (vPro[1])

WLAN Antennas (2) (configured with panel on all units)
Bluetooth® Disabled IOPT
Support for Miracast
Supports WLAN/LAN/WWAN switching
Support HP Connection Optimizer with WiFi Load balancing
Support S3/S4 Wake on Wireless LAN
Support for DYNAMIC WiFi SAR in BIOS
Disclaimer required to document that Dynamic Regulatory Solution, will auto-change AC WLAN to abgn by passive scan when entering Indonesia.

WWAN**
LTE CAT4: Huawei HP lt4132, LTE/HSPA+ w/GPS M.2
LTE CAT9: Qualcomm® Snapdragon X12 LTE-Advanced

SIM Module: (user-accessible on side of slate) (4FF/nano SIM). (SIM module installed in factory when Service Provider is configured)
WWAN Antennas (2)
WWAN cards are compatible with a programmable removable eSIM
WWAN and BCS configurations are mutually exclusive

GPS
U-Blox GPS EVA-M8M M.2/USB
GPS and WWAN configurations are mutually exclusive

NFC
NXP NPC300 Near Field Communication Module

*Wireless cards are optional or add-on features and requires separately purchased wireless access point and internet service. Availability of public wireless access points limited. The specifications for the 802.11ac WLAN are draft specifications and are not final. If the final specifications differ from the draft specifications, it may affect the ability of the system to communicate with other 802.11ac WLAN devices.

**WWAN is an optional feature and requires factory configuration? WWAN use requires separately purchased service contract. Check with service provider for coverage and availability in your area. Connection speeds will vary due to location, environment, network conditions, and other factors. 4G LTE not available on all products, and in all regions.

[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 8265 with vPRO™ Card

AUDIO/MULTIMEDIA

Audio

HD Audio
Audio Solution Codec CX7750
Stereo Speakers (2)

Features

Cameras
RGB Camera:
Front facing camera 5MP with webcam LED indicator
Back Camera: 8MP

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*

4-cell Long Life Polymer 47Whr (3.055Ahr) - Supports HP Fast Charging

*Windows 10 MM14 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.

Technical Specifications

SOFTWARE AND SECURITY

BIOS

HP BIOSphere Gen4[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 v2

iPass

Platform Enabling Apps & Support

HP 3D DriveGuard *

HP Hotkey Support

HP JumpStart

HP Notifications

HP Recovery Manager

HP Support Assistant[4]

HP LAN/WLAN/WWAN switching

HP Power Manager * (w/ thermals support)

Microsoft Products

Buy Office

Bing Search

Skype[2]

Client Security Software

HP Client security Gen3[6]

Device Access Manager

Intel Authenticate v2.5

HP Sure Click[7]

HP Sure Start Gen4[8]

Technical Specifications

Manageability

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 2.5[5]
HP Image Assistant Gen3

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 – Crossmatch

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 Gen4 is available on the HP Engage Go Mobile equipped with 7th 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 2016 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.

QuickSpecs

Technical Specifications

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® • EPEAT® Gold registered in the United States. See http://www.epeat.net for registration status in your country. See HP's 3rd party option store for solar energy accessory at http://www.hp.com/go/options.		
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, 60Hz**
Normal Operation (Short idle)	5.62 W	5.87 W	5.76 W
Normal Operation (Long idle)	3.48 W	3.18 W	3.10 W
Sleep	0.49 W	0.61 W	0.57 W
Off	0.46 W	0.42 W	0.46 W
	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® compliant 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, 60Hz**
Normal Operation (Short idle)	19 BTU/hr	20 BTU/hr	20 BTU/hr
Normal Operation (Long idle)	12 BTU/hr	11 BTU/hr	11 BTU/hr
Sleep	2 BTU/hr	2 BTU/hr	2 BTU/hr
Off	BTU/hr	1 BTU/hr	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	2.5		15
Fixed Disk – Random writes	2.6		15
Longevity and Upgrading	This product can be upgraded, possibly extending its useful life by several years. Upgradeable features and/or components contained in the product may include: • 3 USB ports • 1 PC card slot (type I/II) • 1 ExpressCard/54 slot • 1 IEEE 1394 Port • 2 SODIMM memory slots • Optional expansion base docking station • 1 multi-bay II storage port • Interchangeable HDD		

Technical Specifications

	Spare parts are available throughout the warranty period and or for up to "5" years after the end of production.
Batteries	This battery(s) in this product comply with EU Directive 2006/66/EC Batteries used in the product do not contain: Mercury greater the1ppm by weight Cadmium greater than 20ppm by weight Battery size: CR2032 (coin cell) Battery type: Lithium
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 at the <gold> level, see www.epeat.net • Plastics parts weighing over 25 grams used in the product are marked per ISO11469 and ISO1043. • This product contains 8.4% post-consumer recycled plastic (by wt.) • This product is 95.9% recycle-able when properly disposed of at end of life.

Packaging Materials	**External:**	PAPER/Corrugated	310 g
	Internal:	PAPER/Paperboard	60 g
		PLASTIC/Polyethylene Expanded - EPE	69 g
		PLASTIC/Polyethylene low density - LDPE	14 g

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)

Technical Specifications

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.
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

EPEAT® Gold[1]

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
The plastic recycled content is equal to, or greater than 90%.
The main cushions for the HP Engage Go Mobile unit and HP Engage Go Dock stand are made from 100% recycled expanded polyethylene.

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:

Technical Specifications

Global Citizenship Report

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

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

1. EPEAT® registered where applicable. EPEAT registration varies by country. See www.epeat.net for registration status by country. See HP's 3rd party option store for solar energy accessory at www.hp.com/go/options.

* 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 Mobile Retail Case	3VM86AA
	HP Engage Go Mobile Retail Case w/ MSR	3VM87AA
Docking	HP Engage Go Dock Black	5JG51AA
	HP Engage Go Dock White	5JG52AA
Input/Output	HP Engage Go Advanced I/O Connectivity Base	1UN12AA
	HP Engage Go Basic I/O Connectivity Base	1UN11AA
Printer	HP Engage Go Serial USB Thermal Printer	1RL96AA
	HP Ethernet Network Receipt Printer	M2D54AA
	HP Value Serial/USB Receipt Printer II	X3B46AA
	HP PUSB Thermal Receipt Printer	FK224AA
	Epson TMT88V Serial USB Thermal Receipt Printer	D9Z52AA
Cable kits for standalone printer	HP Engage Go Printer USB + Pwr Adpter	1RM02AA
	HP Engage Go Printer Serial + Pwr Adptr	1RM03AA
	HP Engage Go Printer PUSB Y Cable	BM477AA
	HP Engage Go Printer Serial + PUSB Pw only	1RM05AA
Barcode Scanners	HP Engage Go 2D Barcode Scanner	1RL97AA
	HP Linear Barcode Scanner II	Z1Z36AA
	HP Imaging Barcode Scanner	BW868AA
	HP Presentation Barcode Scanner	QY439AA
	HP Wireless Barcode Scanner	E6P34AA
Cash Drawers	HP Flip Top Cash Drawer	BW867AA
	HP Heavy Duty Cash Drawer	FK182AA
	HP Standard Duty Cash Drawer	QT457AA
	HP USB Standard Duty Cash Drawer	E8E45AA
	HP Standard Duty Till Insert w/ Lockable Lid	QT458AA
	HP Cable Pack for Dual HP Cash Drawers	QT538AA
I/O Devices, I/O Adapters	HP USB Business Slim Keyboard	N3R87AA
	HP USB 1000dpi Laser Mouse	QY778AA
	HP Engage Go Fingerprint Reader	1RL98AA
Pen	Wacom Pen w/ Bluetooth®	TBD
	Wacom Pen w/o Bluetooth®	TBD
Graphics Video Adapters & Cables	HP Type-C to VGA Adapter	N9K76AA

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

Display	HP Engage Go 10.1in Touch Display	1XD81AA
	HP Engage Go 10.1in Non-Touch Display	1XD80AA
Power	HP 65W USB-C™ AC Adapter	TBD

Summary of Changes

Date of change:	Version History:		Description of change:
August 20, 2018	From v1 to v2	Changed	Format
August 30, 2018	From v2 to v3	Added	Footnotes for Power and Software sections