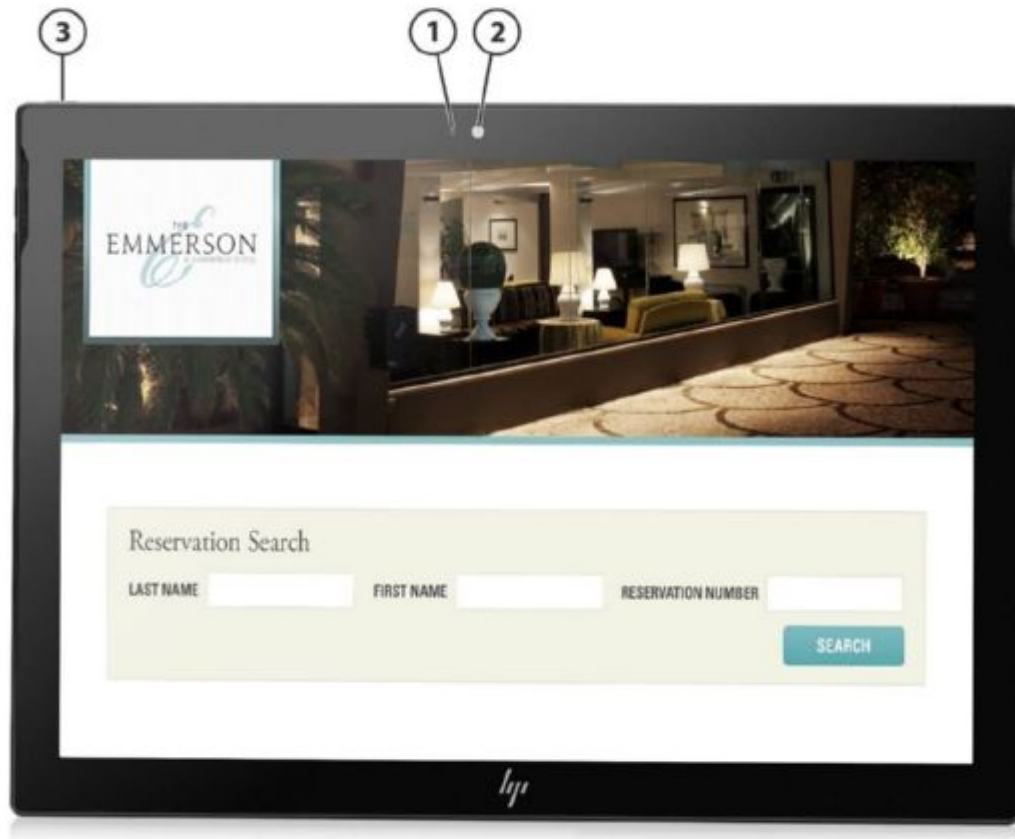


HP Engage Go Convertible System



### Components Overview

## HP Engage Go Mobile



### Front View

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

Components Overview



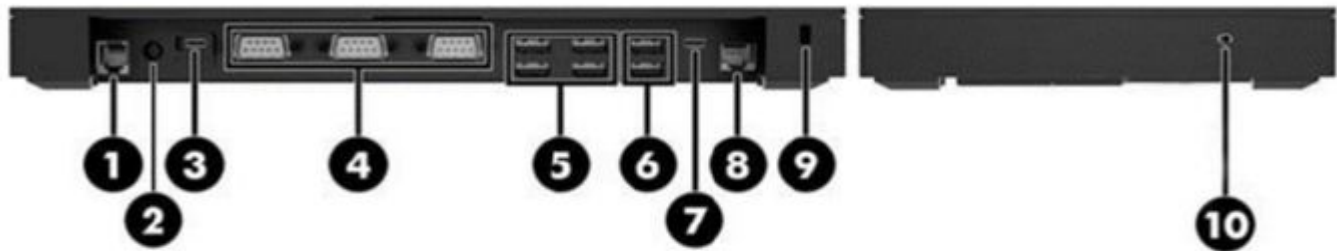
Rear View

- |    |  |    |                                  |
|----|--|----|----------------------------------|
| 1. | Rear-facing camera                     | 5. | Audio jack                       |
| 2. | Volume up/down                         | 6. | Power button                     |
| 3. | Fingerprint reader                     | 7. | 2 USB-C™ 3.1 ports               |
| 4. | Pogo pin connector to convertible dock | 8. | Barcode scanner trigger buttons* |
|    |  | 9. | SIM Module                       |

\*Only available on select SKUs

Overview

HP Engage Go Convertible System  
Basic I/O Connectivity Base (Rear/Side View)

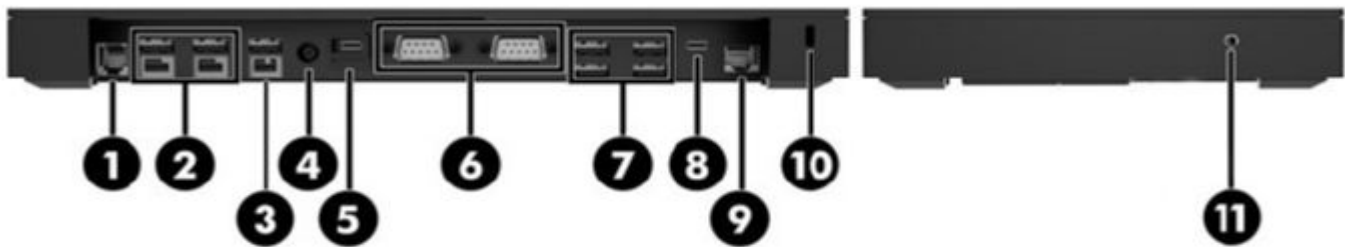


Basic I/O Connectivity Base components

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

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

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

Overview

HP Engage Go Mobile Retail Case



Model

Engage Go Mobile Retail Case	3VM86AA
Engage Go Mobile Retail Case w/ MSR	3VM87AA

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 passed 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.](#)

HP Engage Go Dock

### Overview



- 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)

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

Overview

Weight (Grams, lbs.)

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

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

**HP Engage Go Dock drop in the box:**  
HP Engage Go Inverted Dock White. Allows you to dock the HP Engage Go Mobile System upside down. 9EM11AV

HP Engage Go Jacket

Models

HP Engage Go Jacket iSMP4	5LX96AA
HP Engage Go Jacket iSMP4 B	5LX97AA
HP Engage Go Jacket MSR+SCR+OCR+BCS	5LY00AA
HP Engage Go Jacket MSR+SCR	5LY01AA
HP Engage Go Jacket MSR+SCR+BCS	5LY02AA
HP Engage Go Jacket (Base Jacket)	5PR24AA

	5LX96AA	5LX97AA	5LY00AA	5LY01AA	5LY02AA	5PR24AA
Dimensions (W X D X H)	30.17 x 22.14 x 2.13 cm (301.7 x 221.4 x 21.3 mm)	30.17 x 22.14 x 2.13 cm (301.7 x 221.4 x 21.3 mm)	34.89 x 22.14 x 3.12 cm (348.9 x 221.4 x 31.2 mm)	34.89 x 22.14 x 2.13 cm (348.9 x 221.4 x 21.3 mm)	34.89 x 22.14 x 2.13 cm (348.9 x 221.4 x 21.3 mm)	30.17 x 22.14 x 2.13 cm (301.7 x 221.4 x 21.3 mm)
	11.88 x 8.72 x 0.84 in <sup>1</sup>	11.88 x 8.72 x 0.84 in	13.74 x 8.72 x 1.23 in	13.74 x 8.72 x 0.84 in	13.74 x 8.72 x 0.84 in	11.88 x 8.72 x 0.84 in
Weight (Grams, lbs.)	690g (1.52lb)	690g (1.52lb)	780g (1.71lb)	710g (1.56lb)	720g (1.58lb)	570g (1.25lb)
Optional integrated Smart Card Reader			✓	✓	✓	
Optional integrated Barcode Scanner			✓		✓	
Optional integrated OCR			✓			
Optional integrated MSR			✓	✓	✓	
PED Caddy	✓	✓				
Fingerprint reader access	✓	✓	✓	✓	✓	✓
Rear camera and LED access	✓	✓	✓	✓	✓	✓
Side USB-C ports access	✓	✓				
USB-C 3.1 Charging Port			✓	✓	✓	
Audio jack	✓	✓	✓	✓	✓	✓

Overview

Barcode scanner access	✓			✓		
Docking connector access (HP Engage Go Dock pogo pin)	✓	✓	✓	✓	✓	✓
Input / Output						
Side barcode scanner buttons			✓		✓	
Rear barcode scanner buttons			✓		✓	
Volume and power buttons	✓	✓	✓	✓	✓	✓
Hand Strap			Rotating Hingeable and detachable Release latch			
Shoulder Strap			Shoulder strap included with each jacket unit Two attach points on jacket			
Power Requirements			PED Caddy for Ingenico iSMP4 Pogo pin interface with Ingenico PEDs for single-charging and USB data transfer capability Release button for detaching PED from caddy Ability to lock PED into caddy via security screw <a href="#">* PED Caddy only available for 5LX96AA and 5LX97AA</a>			
Industrial Design			Black color only Pen loop			

**NOTE\*** Sold separately

**NOTE 1:** measurements without PED caddy

HP Engage Go Mobile

- Windows® 10 Pro 64, Windows® 10 IoT Enterprise 2016 LTSB 64-Value, Windows® 10 IoT Enterprise 2019 LTSC 64-bit, FreeDO! Android 8.1
- 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



Overview

Dimensions (W X D X H)

Base Height  
15.5 cm (155 mm)  
6.10 in

Height from base to top of HP Engage Go Mobile System  
28.32 cm (283.2 mm) (When tilted down)  
11.15 in (When tilted down)  
27.56 cm (275.6 mm) (When tilted up)  
10.85 in (When tilted up)

32.81 x 23.36 x 2.13 cm (328.1 x 233.6 x 21.3 mm)  
12.91 x 9.19 x .83 in (landscape orientation, case not included)

Retail Tablet  
28.77 x 20.77 x 1.29 cm (287.7 x 207.7 x 12.9 mm)  
11.33 x 8.18 x 0.51 in

(landscape orientation, case included)  
Retail Tablet  
30.20 x 22.17 x 1.82 cm (302 x 221.7 x 18.2 mm)  
11.89 x 8.73 x 0.72 in w/o MSR

MSR  
10.18 x 2.08 x 1.37 cm (101.8 x 20.8 x 13.7 mm)  
4.01 x 0.82 x 0.54 in

Weight (Grams, lbs.)

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

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

### Overview

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>

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### Features

## OPERATING SYSTEM

### Preinstalled

Windows 10 Professional (64-bit)\*

Windows 10 IoT Enterprise 2016 LTSC 64-Value<sup>1</sup>

Windows 10 IoT Enterprise 2019 LTSC 64-bit

FreeDOS

### Available for download

Android 8.1

**Certified:** SUSE Linux Enterprise Desktop YES Certified

<https://www.suse.com/nbswebapp/yesBulletin.jsp?bulletinNumber=147394>

<https://www.suse.com/nbswebapp/yesBulletin.jsp?bulletinNumber=147325>

\* 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>.

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## PROCESSOR

Intel® 7<sup>th</sup> generation Core™ and Pentium® processors

- Intel® Pentium® 4410Y with Intel® Graphics 615 (1.5 GHz, 2 MB cache, 2 cores)
- Intel® Core™ m3-7Y30 with Intel® Graphics 615 (1.0 GHz, up to 2.6 GHz, 4 MB cache, 2 cores)
- Intel® Core™ i5-7Y57 with Intel® Graphics 615 (1.2 GHz, up to 3.3 GHz, 4 MB cache, 2 cores) 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.

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## MEMORY

Features

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

LPDDR3 1886:  
4096 MB Total System Memory  
8192 MB Total System Memory

\* 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 PCIe 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  
Display response time: 25ms  
Contrast Ratio: 800:1  
Refresh Rate: 60Hz

Features:

- 1920x1280 High Definition (FHD)\* resolution\*\*
- 3:2 aspect ratio
- Brightness (typical) - 400nits (cd/m<sup>2</sup>)\*\*\*
- 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

### Features

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.

## NETWORKING/COMMUNICATIONS

### Integrated Wi-Fi\*

Intel Wireless-AC 8265 802.11ac 2x2 WiFi + BT4.2 Combo Adaptor (non-vPro<sup>1</sup>)

Intel Wireless-AC 8265 802.11ac 2x2 WiFi + BT4.2 Combo Adaptor (vPro<sup>1</sup>)

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.

**NOTE:** In Android 8.1 product release WWAN is not supported

### 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.

<sup>1</sup>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

**NOTE:** In Android 8.1 product release vPro is not supported

Features

AUDIO/MULTIMEDIA

Audio

HD Audio  
Audio Solution Codec CX7750  
Stereo Speakers (2)

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  
Battery life: Up to 12 hours

\*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.

MTBF: Red laser aimer: 378,000 hours	
MOTION TOLERANCE	up to 584 cm [230 in] per second in total darkness with 100% UPC at 10 cm [4 in] distance
FIELD OF VIEW	Standard Range (SR) : 42.4° (H) x 33° (V)
SCAN ANGLES	Extended Range (ER) : 35.6° (H) x 27.5° (V)
SYMBOL CONTRAST	360°, pitch: ±45°, skew: ±60° 20% minimum reflectance

Features

Supported Symbolologies

- Linear:** UPC/EAN/JAN, GS1 DataBar, Code 39, Code 128, Code 32, Code 93, Codabar/NW7, Interleaved 2 of 5, Code 2 of 5, Matrix 2 of 5, MSI, Telepen, Trioptic, China Post
- 2D Stacked:** PDF417, MicroPDF417, GS1 Composite
- 2D Matrix:** Aztec Code, Data Matrix, QR Code, Micro QR Code, MaxiCode, Han Xin Cod
- Postal:** Intelligent Mail Barcode, Postal-4i, Australian Post, British Post, Canadian Post, Japanese Post, Netherlands (KIX) Post, Postnet, Planet Code
- OCR Option:** OCR-A, OCR-B, E13B (MICR)

READ RANGES <sup>1</sup>

Symbology	Standard Range (Typical)		Extended Range (Typical)	
	Start (mm/[in])	Stop (mm/[in])	Start (mm/[in])	Stop (mm/[in])
C39 5mil	64 [2.5]	163 [6.4]	96,5 [3.8]	283 [11.1]
C39 10mil	28 [1.1]	338 [13.3]	72 [2.8]	551 [21.7]
UPC-A 13mil	46 [1.8]	419 [16.5]	51 [2.0]	559 [22.0]
C39 20mil	-	-	56 [2.2]	819 [32.2]
PDF 417 6.7mil	46 [1.8]	185 [7.3]	127 [5.0]	232 [9.1]
QR 20mil	-	-	45 [1.8]	516 [20.3]
DM 10mil	53 [2.1]	203 [8.0]	120 [4.7]	282 [11.1]

<sup>1</sup> Barcode quality and environmental conditions may affect performance.

### Technical Specifications

## SOFTWARE AND SECURITY

### BIOS

HP BIOSphere Gen4<sup>9</sup>  
Secure Erase  
Absolute Persistence Module<sup>1</sup>  
Allow BIOS Rollback  
HP DriveLock & Automatic DriveLock  
Hardware Root of 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<sup>4</sup>  
HP LAN/WLAN/WWAN switching  
HP Power Manager \* (w/ thermals support)

### Microsoft Products

Buy Office  
Bing Search  
Skype<sup>2</sup>

### Client Security Software

HP Client security Gen3<sup>6</sup>  
Intel Authenticate v2.5  
HP Sure Click<sup>7</sup>  
HP Sure Start Gen4<sup>8</sup>  
HP Multi-Factor Authenticate  
HP Sure Admin  
HP vPRO Support<sup>11,12,13</sup>



### Technical Specifications

#### Manageability

Intel vPro (Core i5 SKU only)  
HP Smart Dock  
HP Client Security  
HP MAC Address Manager  
HP PC Hardware Diagnostics  
HP Windows Hardware Diagnostics  
HP Support Assistant  
HP Softpaq Download Manager  
Discover HP Touchpoint Manager  
HP Driver Packs (quarterly)<sup>3</sup>  
HP System Software Manager (SSM)<sup>3</sup>  
HP BIOS Config Utility (BCU)<sup>3</sup>  
HP Client Catalog<sup>3</sup>  
HP Client Integration Kit (CIK)  
HP Client Security & Intel Authenticate  
Microsoft Device Guard<sup>10</sup>  
Credential Guard<sup>10</sup>  
TPM config management  
HP Audio Control  
HP Power Manager  
HPIA Integration & Recipes  
Recipes  
HP MIK for Microsoft SCCM Gen 2.5<sup>5</sup>  
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 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.

Technical Specifications

- 11. vPRO support requires either an Intel Core i5 or Core i7 processor
- 12. vPRO support also requires a vPRO WLAN Card for these products
- 13. vPRO enablement is a separate option on some products

TEMPERATURE, HUMIDITY, ALTITUDE

Temperature	Operating	41° to 95° F (5 to 35° C)
	Non-operating	-4° to 140° F (-20° to 60° C)
Relative humidity (noncondensing)	Operating	10 to 90%
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: <ul style="list-style-type: none"><li>IT ECO declaration</li><li>US ENERGY STAR®</li><li>EPEAT® Gold registered in the United States. See <a href="http://www.epeat.net">http://www.epeat.net</a> for registration status in your country. See HP's 3rd party option store for solar energy accessory at <a href="http://www.hp.com/go/options">http://www.hp.com/go/options</a>.</li></ul>		
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
	<b>NOTE:</b> 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
	<b>NOTE:</b> Heat dissipation is calculated based on the measured watts, assuming the service level is attained for one hour.		

### Technical Specifications

Declared Noise Emissions (in accordance with ISO 7779 and ISO 9296)	Sound Power (L <sub>WAd</sub> , bels)	Sound Pressure (L <sub>pAm</sub> , 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: <ul style="list-style-type: none"><li>• 3 USB ports</li><li>• 1 PC card slot (type I/II)</li><li>• 1 ExpressCard/54 slot</li><li>• 1 IEEE 1394 Port</li><li>• 2 SODIMM memory slots</li><li>• Optional expansion base docking station</li><li>• 1 multi-bay II storage port</li><li>• Interchangeable HDD</li></ul> 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 the 1ppm by weight  Cadmium greater than 20ppm by weight  Battery type: Lithium  Battery life: Up to 12 hours		
Additional Information	<ul style="list-style-type: none"><li>• This product is in compliance with the Restrictions of Hazardous Substances (RoHS) directive - 2011/65/EC.</li><li>• This HP product is designed to comply with the Waste Electrical and Electronic Equipment (WEEE) Directive - 2002/96/EC.</li><li>• This product is in compliance with California Proposition 65 (State of California; Safe Drinking Water and Toxic Enforcement Act of 1986).</li><li>• This product is in compliance with the IEEE 1680 (EPEAT) standard at the &lt;gold&gt; level, see <a href="http://www.epeat.net">http://www.epeat.net</a></li><li>• Plastics parts weighing over 25 grams used in the product are marked per ISO11469 and ISO1043.</li><li>• This product contains 8.4% post-consumer recycled plastic (by wt.)</li><li>• This product is 95.9% recycle-able when properly disposed of at end of life.</li><li>• EMC Compliant: IEC 60601-1-2.</li></ul>		
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 <a href="http://www.hp.com/hpinfo/globalcitizenship/environment/pdf/gse.pdf">http://www.hp.com/hpinfo/globalcitizenship/environment/pdf/gse.pdf</a> ): <ul style="list-style-type: none"><li>• Asbestos</li><li>• Certain Azo Colorants</li></ul>		

### Technical Specifications

	<ul style="list-style-type: none"> <li>• Certain Brominated Flame Retardants - may not be used as flame retardants in plastics</li> <li>• Cadmium</li> <li>• Chlorinated Hydrocarbons</li> <li>• Chlorinated Paraffins</li> <li>• Formaldehyde</li> <li>• Halogenated Diphenyl Methanes</li> <li>• Lead carbonates and sulfates</li> <li>• Lead and Lead compounds</li> <li>• Mercuric Oxide Batteries</li> <li>• Nickel - finishes must not be used on the external surface designed to be frequently handled or carried by the user.</li> <li>• Ozone Depleting Substances</li> <li>• Polybrominated Biphenyls (PBBs)</li> <li>• Polybrominated Biphenyl Ethers (PBEBs)</li> <li>• Polybrominated Biphenyl Oxides (PBBOs)</li> <li>• Polychlorinated Biphenyl (PCB)</li> <li>• Polychlorinated Terphenyls (PCT)</li> <li>• Polyvinyl Chloride (PVC) - except for wires and cables, and certain retail packaging has been voluntarily removed from most applications.</li> <li>• Radioactive Substances</li> <li>• Tributyl Tin (TBT), Triphenyl Tin (TPT), Tributyl Tin Oxide (TBTO)</li> </ul>
<b>Packaging Usage</b>	<p>HP follows these guidelines to decrease the environmental impact of product packaging:</p> <ul style="list-style-type: none"> <li>• Eliminate the use of heavy metals such as lead, chromium, mercury and cadmium in packaging materials.</li> <li>• Eliminate the use of ozone-depleting substances (ODS) in packaging materials.</li> <li>• Design packaging materials for ease of disassembly.</li> <li>• Maximize the use of post-consumer recycled content materials in packaging materials.</li> <li>• Use readily recyclable packaging materials such as paper and corrugated materials.</li> <li>• Reduce size and weight of packages to improve transportation fuel efficiency.</li> <li>• Plastic packaging materials are marked according to ISO 11469 and DIN 6120 standards.</li> </ul>
<b>End-of-life Management and Recycling</b>	<p>HP Inc. offers end-of-life HP product return and recycling programs in many geographic areas. To recycle your product, please go to: <a href="http://www.hp.com/go/reuse-recycle">http://www.hp.com/go/reuse-recycle</a> or contact your nearest HP sales office. Products returned to HP will be recycled, recovered or disposed of in a responsible manner.</p> <p>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: <a href="http://www.hp.com/go/recyclers">http://www.hp.com/go/recyclers</a>. 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.</p>
<b>HP Inc. Corporate Environmental Information</b>	<p>For more information about HP's commitment to the environment:</p> <p>Global Citizenship Report  <a href="http://www.hp.com/hpinfo/globalcitizenship/gcreport/index.html">http://www.hp.com/hpinfo/globalcitizenship/gcreport/index.html</a>  Eco-label certifications  <a href="http://www8.hp.com/us/en/hp-information/environment/ecolabels.html">http://www8.hp.com/us/en/hp-information/environment/ecolabels.html</a>  ISO 14001 certificates:  <a href="http://www.hp.com/hpinfo/globalcitizenship/environment/pdf/PC_GBU_Product_Design_ISO_14K_Certificate.pdf">http://www.hp.com/hpinfo/globalcitizenship/environment/pdf/PC_GBU_Product_Design_ISO_14K_Certificate.pdf</a>  and  <a href="http://www.hp.com/hpinfo/globalcitizenship/environment/pdf/cert.pdf">http://www.hp.com/hpinfo/globalcitizenship/environment/pdf/cert.pdf</a></p>

### Technical Specifications

EPEAT® Gold<sup>1</sup>

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:

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](http://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](http://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

## HP Engage Go Convertible Sanitization Testing Results

You can use the following chemical compositions \* to clean all exposed surfaces of the HP Engage Go Convertible (tablet only).

- Turn off your device
- Disconnect any external devices
- Dust the device by wiping with a soft, clean antistatic cloth

**IMPORTANT:** The cloth should be moist, but not wet. Water dripping into the ventilation or other points of entry can cause damage to your device. Allow the unit to air-dry before use.

- Benzyl-C12-18-alkyldimethyl ammonium chlorides: <0.1%
- Quaternary ammonium compounds, C12-14-alkyl[(ethylphenyl)methyl]di methyl, chlorides: <0.1%
- Isopropanol: 10-20%
- 2-Butoxyethanol: <5%
- Quaternary ammonium compounds, C12-14-alkyl[(ethylphenyl)methyl]di methyl, chlorides: <0.5%
- Benzyl-C12-18-alkyldimethyl ammonium chlorides: <0.5%
- Quaternary ammonium compounds, C12-14-alkyl[(ethylphenyl)methyl]di methyl, chlorides: <0.5%
- Benzyl-C12-18-alkyldimethyl ammonium chlorides: <0.5%
- Isopropyl alcohol: 55.0%
- Alkyl dimethyl benzyl ammonium chlorides: 0.25%

Technical Specifications

- Alkyl (68% C12, 32% C14) dimethyl ethylbenzyl ammonium chloride: 0.25%
- Isopropyl alcohol: 10-20%
- Ethylene Glycol Monobutyl Ether (2-Butoxyethanol): 1-5%
- Diisobutylphenoxyethoxyethyl dimethyl benzyl ammonium chloride: 0.1-0.5%
- Sodium hypochlorite: 0.1%-1.0%
- Cellulose: 10-30%
- Ethyl alcohol: 0.10-1%
- Isopropyl alcohol: 30-40%
- Water: 60-70%

Please do not use cleaners that contain any petroleum-based materials such as benzene, thinner, or any volatile substance to clean the display screen. These chemicals may damage the display

[\\*Compounds tested as of August 19, 2018. Repeated use of these cleaning compounds may cause some cosmetic changes to the product](#)

COUNTRY OF ORIGIN

China

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

<b>Type</b>	<b>Description</b>	<b>Part #</b>
<b>Case</b>	HP Engage Go Mobile Retail Case	3VM86AA
	HP Engage Go Mobile Retail Case w/ MSR	3VM87AA
<b>Jacket</b>	HP Engage Go Jacket iSMP4	5LX96AA
	HP Engage Go Jacket iSMP4 B	5LX97AA
	HP Engage Go Jacket MSR+SCR+OCR+BCS	5LY00AA
	HP Engage Go Jacket MSR+SCR	5LY01AA
	HP Engage Go Jacket MSR+SCR+BCS	5LY02AA
	HP Engage Go Jacket (Base Jacket)	5PR24AA
<b>Docking</b>	HP Engage Go Dock Black	5JG51AA
	HP Engage Go Dock White	5JG52AA
	HP USB-C™ Mini Dock	3PR57AA
<b>Input/Output</b>	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
<b>Printer</b>	HP Engage One 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
<b>Cable kits for standalone printer</b>	HP Engage One Printer USB + Pwr Adptr	1RM02AA
	HP Engage One Printer Serial + Pwr Adptr	1RM03AA
	HP Engage One Printer PUSB Y Cable	BM477AA
	HP Engage One Printer Serial + PUSB Pw only	1RM05AA
<b>Barcode Scanners</b>	HP Engage One 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
<b>Cash Drawers</b>	HP Flip Top Cash Drawer	BW867AA
	HP Heavy Duty Cash Drawer	FK182AA
	HP Standard Duty Cash Drawer	QT457AA

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

	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
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
I/O Devices, I/O Adapters	HP USB Business Slim Keyboard	N3R87AA
	HP USB 1000dpi Laser Mouse	QY778AA
	HP Engage One Fingerprint Reader	1RL98AA
Pen	HP Active Pen with App Launch	T4Z24AA
	HP Rechargeable Active Pen	4KL69AA
	HP Active Pen	T5E12AA
Graphics Video Adapters & Cables	HP Type-C™ to VGA Adapter	N9K76AA
	HP Engage USB-C™ to HDMI Adapter	6FV70AA
	HP USB-C™ to RJ45/USB 3/USB-C™	N2Z64AA
	HP USB-C™ to USB 3.0 Adapter	N2Z63AA
Display	HP Engage One 10.1in Touch Display	1XD81AA
	HP Engage One 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
November 19, 2018	From v3 to v4	Added	HP Engage Go Advanced I/O Connectivity Base White and HP Engage Go Basic I/O Connectivity Base White
February 11, 2019	From v4 to v5	Added	HP Engage Go Jacket & HP Engage USB-C to HDMI Adapter
March 6, 2019	From v5 to v6	Added	Battery life, Metric values & Accessories updated
April 4, 2019	From v6 to v7	Added	Supported Symbolologies section
		Changed	Memory section, Metric values
April 12, 2019	From v7 to v8	Added	TEMPERATURE, HUMIDITY, ALTITUDE & Connectivity bases sections
		Changed	Software, DIMENSIONS AND WEIGHT sections
June 13, 2019	From v8 to v9	Added	HP Engage Go Convertible Sanitization Testing Results section
		Changed	OPERATING SYSTEM and DISPLAY sections
July 31, 2019	From v9 to v10	Added	Android support
August 5, 2019	From v10 to v11	Changed	OPERATING SYSTEM section, SUSE Linux Enterprise Desktop YES Certified
August 22, 2019	From v11 to v12	Changed	Format page 14 and 15
September 24, 2019	From v12 to v13	Changed	AUDIO/MULTIMEDIA section
October 14, 2019	From v13 to v14	Added	HP USB-C Mini Dock to Accessories section
October 18, 2019	From v14 to v15	Changed	Processor section
January 24, 2020	From v15 to v16	Changed	Format page 9 and 12
February 13, 2020	From v16 to v17	Changed	HP Engage Go Dock section
February 19, 2020	From v17 to v18	Added	HP Engage Go Tilt Mount, HP Engage Go Fixed Mount and HP Engage Go Height Adjustable Pole to Options and Accessories section
August 6, 2020	From v18 to v19	Changed	Additional Information Section
October 1, 2020	From v19 to v20	Removed	Battery Size: CR2032 (coin cell) from ENVIRONMENTAL DATA section
October 15, 2020	From v20 to v21	Changed	Security section
July 22, 2021	From v21 to v22	Removed	SD card reader reference

title

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