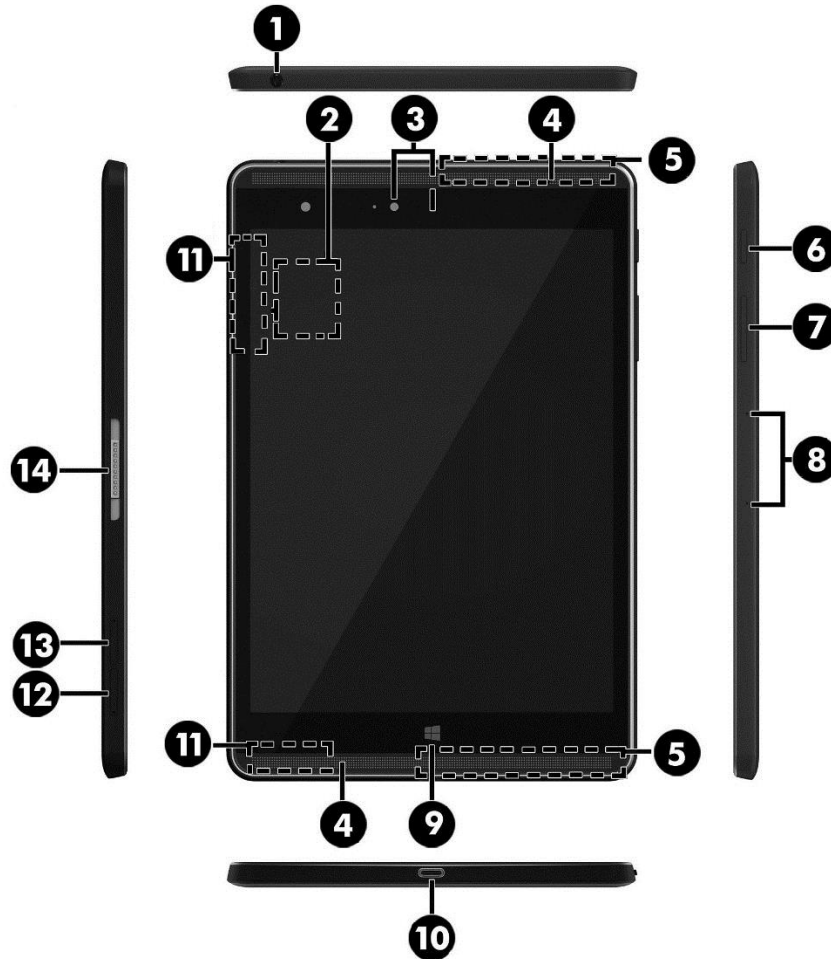


### Overview

### HP Pro Tablet 608 G1



- |  |   |
|--|---|
| 1. Audio-out (headphone)/Audio-in (microphone) combo jack    | 8. Microphone(s)                              |
| 2. NFC (Near Field Communications) area (select models only) | 9. Windows button                             |
| 3. Webcams   | 10. USB Type-C™ Port                          |
| 4. Speakers  | 11. WLAN antennas*                            |
| 5. WWAN antennas (select models only)*                       | 12. MicroSD card reader                       |
| 6. Power Button  | 13. Nano SIM card slot (select models only)   |
| 7. Volume button   | 14. ZIF (Zero Insertion Force) expansion slot |

\*The antennas are not visible from the outside of the tablet. For optimal transmission, keep the immediate areas around the antennas free from obstructions. For wireless regulatory notices, see the section of the Regulatory, Safety, and Environmental Notices that applies to your country or region. To access this guide, from the Start screen, tap the HP Support Assistant app.

### Overview

#### AT A GLANCE

- Windows 8.1 Pro 64, Windows 8.1 64, Windows 8.1 Pro 64 Retail Solutions, Windows Embedded Industry 8.1 64 and Windows 10
- Intel® Atom™ x5-Z8500 with Intel HD Graphics (1.44 GHz, up to 2.24 GHz using Intel Burst Technology, 2 MB cache, 4 cores)\*
- 7.86-inch diagonal capacitive multi-touch, FHD QXGA BrightView WLED UWVA (2048 x 1536), featuring Corning® Gorilla® Glass 4, 4:3 Wide Aspect Ratio
- Up to 8 hours video MM2012\*\*
- 2 GB LPDDR3-1600 SDRAM or 4 GB LPDDR3-1600 SDRAM
- 32GB, 64GB or 128GB embedded Multi Media Card (eMMC)
- Micro SD Card Slot supported, expandable up to 2TB
- 802.11ac WiDi (2x2) Wi-Fi
- Bluetooth® 4.0 + LE connectivity
- LTE optional

**NOTE: See important legal disclosures for all listed specs in their respective features sections.**

\*Multi-Core is designed to improve performance of certain software products. Not all customers or software applications will necessarily benefit from the use of this technology. Intel's numbering is not a measurement of higher performance.

\*\*Windows 8/MM12 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](http://www.bapco.com) for additional details.

### Technical Specifications

#### PRODUCT NAME

HP Pro Tablet 608 G1

#### OPERATING SYSTEM

- |                               |  |
|-------------------------------|--|
| <b>Preinstalled (Windows)</b> | <ul style="list-style-type: none"><li>• Windows 8.1*</li><li>• Windows 8.1 Pro 64*</li><li>• Windows 8.1 Pro 64 (National Academic only)*</li><li>• Windows Embedded 8.1 Industry 64*</li><li>• Windows 10 Home 64*</li><li>• Windows 10 Home 64 (National Academic only)*</li><li>• Windows 10 Pro 64*</li><li>• Windows 10 Pro 64 (National Academic only)*</li><li>• Windows 10 IoT Enterprise *</li><li>•</li></ul>  |
| <b>Web-only support</b>       | <ul style="list-style-type: none"><li>• Windows 8.1</li><li>• Windows 8.1 Pro 64</li><li>• Windows 8.1 Pro 64 (National Academic only)</li><li>• Windows 8.1 Enterprise 64</li><li>• Windows Embedded 8.1 Industry 64</li><li>• Windows 10 Home 64</li><li>• Windows 10 Home 64 (National Academic only)</li><li>• Windows 10 Pro 64</li><li>• Windows 10 Pro 64 (National Academic only)</li><li>• Windows 10 Enterprise 64</li><li>• Windows 10 IoT Enterprise</li></ul> |

\*Note: 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.microsoft.com>.

#### PROCESSOR

Intel® Atom™ x5-Z8500 with Intel HD Graphics (1.44 GHz, up to 2.24 GHz using Intel Burst Technology, 2 MB cache, 4 cores)\*

\*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.

#### DISPLAY

##### Internal

7.86-inch diagonal capacitive multi-touch, FHD QXGA BrightView WLED UWVA (2048 x 1536)

##### Features:

- 2048 x 1536 High Definition (FHD)\* resolution\*\*
- Brightness (typical) - 450 nits (cd/m<sup>2</sup>)
- 326 PPI (Pixel Per Inch)

### *Technical Specifications*

- 4:3 Wide Aspect Ratio (orientation agnostic)
- 10 point capacitive touch solution, Direct bonding
- Anti-Smudge with Corning® Gorilla® Glass 4

#### **External**

24-bit per pixel color depth

Various options supported via USB Type-C standard dongles. Check accessories section.

\* High definition (HD) content is required to view high-definition images.

\*\* Wireless access point and Internet service required and not included. Availability of public wireless access points limited.

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

### Technical Specifications

#### INTERNAL STORAGE

##### Internal Storage Device

32 GB embedded Multi Media Card (eMMC)\* (Base SKU)

64 GB embedded Multi Media Card (eMMC)\*

128 GB embedded Multi Media Card (eMMC)\*

##### Micro SD Card Slot supported

Supports SDXC microSD cards up to 2 TB \*\*

\* GB = 1 billion bytes. Actual formatted capacity is less.

\*\* MicroSD Card Sold separately

#### STORAGE AND DRIVES

<b>32 GB embedded Multi Media Card (eMMC)</b>	<b>Drive Weight</b>	n/a
	<b>Capacity</b>	32 GB
	<b>Height</b>	1.4 mm
	<b>Width</b>	12 x 16 mm
	<b>Interface</b>	MMC protocol
	<b>Performance</b>	HS400 for eMMC 5.x
<b>64 GB embedded Multi Media Card (eMMC)</b>	<b>Features</b>	5.0 HS400 and FFU (field firmware update)
	<b>Drive Weight</b>	n/a
	<b>Capacity</b>	64 GB
	<b>Height</b>	1.4 mm
	<b>Width</b>	12 x 16 mm
	<b>Interface</b>	MMC protocol
<b>128 GB embedded Multi Media Card (eMMC)</b>	<b>Performance</b>	HS400 for eMMC 5.x
	<b>Features</b>	5.0 HS400 and FFU (field firmware update)
	<b>Drive Weight</b>	n/a
	<b>Capacity</b>	128 GB
	<b>Height</b>	1.4 mm
	<b>Width</b>	12 x 16 mm
	<b>Interface</b>	MMC protocol
	<b>Performance</b>	HS200 for eMMC 5.x
	<b>Features</b>	5.0 HS200 and FFU (field firmware update)

### Technical Specifications

#### MEMORY\*

##### Standard

2 GB LPDDR3-1600 SDRAM (Transfer rates up to 1600 MT/s)

4 GB LPDDR3-1600 SDRAM (Transfer rates up to 1600 MT/s)

\* Transfer rates up to 1600 MT/s. Onboard memory not customer accessible/upgradeable

#### NETWORKING/COMMUNICATIONS

##### Integrated Wi-Fi\*

Intel Dual Band Wireless-AC 7265 802.11ac WiDi (2x2) Wi-Fi and Bluetooth® 4.0 Combo

##### WWAN\*\*

WWAN Foxconn NA-1-S3 LTE/EVDO/HSPA+ w/GPS M.2 (746479-002)

WWAN Huawei ME906E LTE/HSPA+ w/GPS M.2 (739797-002)

WWAN Huawei MU736 HSPA+ w/GPS M.2 (746700-002)

##### NFC

Near Field Communication (NFC)

#### HP WWAN lt4112 LTE HSPA+ 4G WWAN with GPS support\*

##### Technology/Operating Bands

LTE FDD all bands with diversity: 2100MHz (Band I), 1900 MHz (Band II) , 1800 MHz (Band III), 850 MHz (Band V), 2600 MHz (Band VII)

00 MHz (Band VIII), 800 MHz (Band XX, DD800)

WCDMA/HSDPA/HSUPA/HSPA+ all bands with diversity: 2100 MHz (Band I), 1900 MHz (Band II), 850 MHz (Band V), 900 MHz (Band VIII)

GSM/GPRS/EDGE: 1900 MHz (Band II), 1800 MHz (Band III), 850 MHz (Band V), 900 MHz (Band VIII)

##### Wireless Protocol Standards

3GPP Release 8 LTE Specification WCDMA R99, 3GPP Release 5, 6 and 7 UMTS Specification

##### GPS

Standalone GPS, A-GPS

##### GPS Bands

GPS 1575.42 MHz ± 1.023 MHz, GLONASS 1596-1607MHz

##### Maximum data rates

LTE: UL 50 Mbps / DL 100 Mbps

DC-HSPA+: UL 5.76 Mbps / DL 42 Mbps

HSPA+: UL 5.76 Mbps / DL 21.6 Mbps

EDGE: UL 236.8 kbps / DL 236.8 kbps

GPRS: UL 85.6 kbps / DL 85.6 kbps

##### Maximum Output Power

LTE: 23 dBm

WCDMA/HSPA/HSPA+: 23.5 dBm

EDGE 900/850 MHz: 27.5 dBm

EDGE 1900/1800 MHz: 26.5 dBm

### Technical Specifications

	GPRS 900/850 MHz: 32.5 dBm GPRS 1900/1800 MHz: 29.5 dBm
<b>Maximum Power Consumption</b>	LTE: 1,200 mA (peak); 900 mA (average) WCDMA: 1,100 mA (peak); 800 mA (average) EDGE: 2,800 mA (peak); 700 mA (average)
<b>Power Consumption, Sleep Mode</b>	3 mA
<b>Power Management</b>	USB selective suspend
<b>Antenna Type</b>	Dual high efficiency multi-band antennae with spatial diversity
<b>Form Factor</b>	M.2, 3042-S3 Key B
<b>Weight</b>	6 g
<b>Dimensions</b> (Length x Width x Thickness)	1.65 x 1.18 x 0.09 in (42 x 30 x 2.3 mm)
<b>Voltage, Operating</b>	3.3 V +1.1/-0.17 V
<b>Temperature, operating</b>	-10°C to 60°C
<b>Temperature, Non-operating</b>	-40°C to 85°C
<b>Humidity, Non-operating</b>	10-90% operating 5-95% non-operating
* Mobile Broadband is an optional feature. Connection requires wireless data service contract, network support, and is not available in all areas. Contact service provider to determine the coverage area and availability. Connection speeds will vary due to location, environment, network conditions, and other factors.	
<b>HP WWAN hs 3110 HSPA with GPS support*</b>	
<b>Technology/Operating Bands</b>	WCDMA/HSDPA/HSUPA/HSPA+: 2100(Band I), 1900 (Band II), AWS(Band IV), 850 (Band V), 900 (Band VIII) MHz GSM/GPRS/EDGE: 1900 MHz (Band II), 1800 MHz (Band III), 850 MHz (Band V), 900 MHz (Band VIII) MHz
<b>Wireless Protocol Standards</b>	GSM/GPRS/EDGE: Class B, Multi-slot class 33, coding schemes CS1 - CS4 and MSC1 - MSC9 UMTS/WCDMA: Release 99 and Release 7 Advanced Receiver Type 3i Standalone GPS, A-GPS GPS 1575.42 MHz (± 1.023 MHz)
<b>GPS</b>	
<b>GPS Bands</b>	
<b>Maximum data rates</b>	HSPA+: UL 5.76 Mbps / DL 21.6 Mbps HSPA: UL 5.76 Mbps / DL 7.2 Mbps WCDMA PS: UL 384 kbps / DL 384 kbps WCDMA CS: UL 64 kbps / DL 64 kbps GPRS: UL 85.6 kbps / DL 107 kbps EDGE: UL 236.8 kbps/DL 296 kbps
<b>Maximum Output Power</b>	WCDMA/HSPA/HSPA+ MHz: 24 dBm EDGE 900/850 MHz: 27 dBm EDGE 1900/1800 MHz: 26 dBm GPRS 900/850 MHz: 33 dBm GPRS 1900/1800 MHz: 30 dBm
<b>Maximum Power Consumption</b>	2500 mA (peak); 600 mA (average)

### *Technical Specifications*

<b>Power Consumption, Sleep Mode</b>	3.6 mA
<b>Power Management</b>	USB selective suspend
<b>Antenna Type</b>	Dual high efficiency multi-band antennae with spatial diversity
<b>Form Factor</b>	M.2, 3042-S3 Key B
<b>Weight</b>	6 g
<b>Dimensions</b> (Length x Width x Thickness)	1.65 x 1.18 x 0.09 in (42 x 30 x 2.3 mm)
<b>Voltage, Operating</b>	3.3 V +1.1/-0.17 V
<b>Temperature, operating</b>	-10°C to 55°C
<b>Temperature, Non-operating</b>	-40°C to 85°C
<b>Humidity, Non-operating</b>	RH5% to RH95%

\* Mobile Broadband is an optional feature. Connection requires wireless data service contract, network support, and is not available in all areas. Contact service provider to determine the coverage area and availability. Connection speeds will vary due to location, environment, network conditions, and other factors.



### Technical Specifications

#### HP WWAN lt4211 LTE HSPA + EVDO with GPS support\* Technology/Operating Bands

LTE FDD all bands with diversity: 1700/2100MHz (Band IV (AWS), 700MHz (Band XIII), 700MHz (Band XVII), 1900MHz G Block (Band XXV) WCDMA/HSDPA/HSUPA/HSPA+: all bands with diversity: 2100 MHz (Band I), 1900 MHz (Band II) , AWS 1700/2100MHz (Band IV), 850 MHz (Band V), 800 MHz (Band VIII) GSM/GPRS/EDGE: 1900 MHz (Band II), 1800 MHz (Band III), 850 MHz (Band V), 900 MHz (Band VIII) CDMA: Cellular 800MHz (BC0), PCS 1900MHz (BC1) WCDMA/HSDPA/HSUPA/HSPA+: 850 MHz/900 MHz/1700 MHz (AWS)/1900 MHz/2100 MHz GPRS/EDGE: 850 MHz/900 MHz/1800 MHz/1900 MHz CDMA BC0/BC1

#### Wireless Protocol Standards

3GPP Release 8 LTE Specification WCDMA R99, 3GPP Release 5, 6 and 7 UMTS Specification EVDO Release 0 and Release A Standalone GPS, A-GPS GPS 1575.42 MHz  $\pm$  1.023 MHz, GLONASS 1596-1607MHz

#### GPS GPS Bands

#### Maximum data rates

LTE: UL 50 Mbs / DL 100 Mbs  
DC-HSPA+: UL 5.76 Mbs / DL 42 Mbps  
HSPA+: UL 5.76 Mbs / DL 21.6 Mbps  
EDGE: UL 236.8 kbps / DL 236.8 kbps  
GPRS: UL 85.6 kbps / DL 85.6 kbps

#### Maximum Output Power

TE: 23 dBm  
WCDMA/HSPA/HSPA+: 23 dBm  
EDGE850/900: 27 dBm  
EDGE1800/1900: 26 dBm  
GPRS850/900: 32 dBm  
GPRS1800/1900: 29 dBm  
CDMA: 24 dBm

#### Maximum Power Consumption

LTE: 1,200 mA (peak); 900 mA (average)  
WCDMA: 1,100 mA (peak); 800 mA (average)  
EDGE: 2,500 mA (peak); 700 mA (average)

#### Power Consumption, Sleep Mode Power Management

3. mA  
USB selective suspend  
Dual high efficiency multi-band antennae with spatial diversity  
M.2, 3042-S3 Key B

#### Antenna Type

#### Form Factor

#### Weight

#### Dimensions

(Length x Width x Thickness)

6 g  
1.65 x 1.18 x 0.09 in (42 x 30 x 2.3 mm)

#### Voltage, Operating

3.3 V +1.1/-0.17 V

#### Temperature, operating

-10°C to 60°C

#### Temperature, Non-operating

-30°C to 85°C

#### Humidity, Non-operating

10-90% operating  
5-95% non-operating

### Technical Specifications

\* Mobile Broadband is an optional feature. Connection requires wireless data service contract, network support, and is not available in all areas. Contact service provider to determine the coverage area and availability. Connection speeds will vary due to location, environment, network conditions, and other factors.

#### Intel Dual Band Wireless-AC 7265 802.11ac WiDi (2x2) Wi-Fi and Bluetooth® 4.0 Combo

##### WIRELESS LAN STANDARDS

IEEE 802.11a  
 IEEE 802.11b  
 IEEE 802.11g  
 IEEE 802.11n  
 IEEE 802.11ac

##### Interoperability

Wi-Fi certified

##### Frequency Band

802.11b/g/n  
 2.402 – 2.482 GHz

##### Note:

The FCC has declared as of January 1, 2015 products that utilize passive scanning on channel 12/13 and are capable of transmitting must fully comply with requirements of 15.247 or otherwise disable those channels.

802.11a/n  
 4.9 – 4.95 GHz (Japan)  
 5.15 – 5.25 GHz  
 5.25 – 5.35 GHz  
 5.47 – 5.725 GHz  
 5.825 – 5.850 GHz

##### Note: Indonesia no support this band

##### Antenna Structure

2 transmit; 2 receive (2x2)

##### Data Rates

802.11b: 1, 2, 5.5, 11 Mbps  
 802.11g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps  
 802.11a: 6, 9, 12, 18, 24, 36, 48, 54 Mbps  
 802.11n: MCS 0 ~ MCS 15, (20MHz, and 40MHz)  
 802.11ac: MCS0~MCS9, (1SS, and 2SS) (20MHz, 40MHz, and 80MHz)

##### Modulation

BPSK, QPSK, CCK, 16-QAM, 64-QAM, 256-QAM

##### Security1

- IEEE and WiFi compliant 64 / 128 bit WEP encryption for a/b/g mode only
- AES-CCMP: 128 bit in hardware
- 802.1x authentication
- WPA, WPA2: 802.1x. WPA-PSK, WPA2-PSK, TKIP, and AES.
- WPA2 certification
- IEEE 802.11i
- Cisco Certified Extensions, all versions through CCX4 and CCX Lite WAPI

##### Sub-channels

Multinational support with frequency bands and channels compliant to local regulations

##### Network Architecture Models

Ad-hoc (Peer to Peer) Infrastructure (Access Point Required)

##### Roaming

- Roaming Output Power • 802.11b : +16dBm minimum
- 802.11g : +14dBm minimum
  - 802.11a : +14dBm minimum
  - 802.11n HT20(2.4GHz) :
  - +13dBm minimum

### Technical Specifications

- 802.11n HT40(2.4GHz) :
- +13dBm minimum
- 802.11n HT20(5GHz) : +12dBm minimum
- 802.11n HT40(5GHz) : +12dBm minimum
- 802.11ac80MHz(5GHz):+11dBm minimum

#### Power consumption

Transmit: 2.0 W (max)  
 Receive: 1.6 W (max)  
 Idle mode (PSP): 180 mW (WLAN Associated)  
 Idle mode: 60 mW (WLAN unassociated)

#### Power Management Sensitivity

#### Receiver

ACPI and PCI Express compliant power management  
 802.11 compliant power saving mode /  
 802.11b, 1Mbps : -94dBm maximum  
 802.11b, 11Mbps : -86dBm maximum  
 802.11g, 6Mbps : -88dBm maximum  
 802.11g, 54Mbps : -74dBm maximum  
 802.11a, 6Mbps : -86dBm maximum  
 802.11a, 54Mbps : -72dBm maximum  
 802.11n, MCS07 : -69dBm maximum  
 802.11n, MCS15 : -66dBm maximum  
 802.11ac, 1SS, MCS-0 : -86dBm maximum  
 802.11ac, 1SS, MCS-9 : -61dBm maximum  
 802.11ac, 2SS, MCS-0 : -83dBm maximum  
 802.11ac, 2SS, MCS-9 : -58dBm maximum  
 2 U.FL type connectors (output impedance of 50 ± 2 ohms)

#### Antenna Connections

#### Form Factor

M.2 1216

#### Dimensions

12mm X 16mm X 1.7mm

#### Operating Voltage

3.3V +/-0.165 V

#### Temperature

Operating -10° to 70° C  
 Non-operating -40° to 80° C

#### Humidity

Operating 10% to 90% (non-condensing) 5% to 95% (non-condensing)  
 Non-operating

#### Altitude

Operating Non-operating 0 to 10,000 ft (3,048 m) 0 to 50,000 ft (15,240 m)

#### Bluetooth Specification\*

BT 4.0

#### Dimensions

12mm X 16mm X 1.7mm

#### Frequency Band

2402 to 2480 MHz

#### Number of Available Channels

79 (1 MHz) available channels

#### Data Rates and Throughput

3 Mbps data rate; throughput up to 2.17 Mbps  
 Synchronous Connection Oriented links up to 3, 64 kbps, voice channels  
 Asynchronous Connection Less links 2178.1 kbps/177.1 kbps asymmetric or 1306.9 kbps symmetric

#### Transmit Power

5dBm@ BT2.0 3dBm@ BT4.0

#### Receiver Sensitivity

GFSK: -80 dBm(0.01% BER)  
 π/4-DQPSK: -80 dBm(0.01% BER)

### Technical Specifications

	8DPSK: -80 dBm(0.01% BER)
<b>Power Consumption</b>	Peak (Tx) 330 mW Peak (Rx) 230 mW Selective Suspend 17 mW
<b>Antenna Range</b>	PIFA Up to 33 ft (10 m)
<b>Electrical Interface</b>	USB
<b>Bluetooth Software Supported</b>	Microsoft Windows Bluetooth Software
<b>Link Topology</b>	GFSK
<b>Power Management</b>	Microsoft Windows ACPI, and USB Bus Support Self-configurable to optimize power conservation in all operating modes, including Standby, Hold, Park, and Sniff
<b>Certifications</b>	All necessary regulatory approvals for supported countries, including: FCC (47 CFR) Part 15C, Section 15.247 & 15.249 ETS 300 328, ETS 300 826 Low Voltage Directive IEC950 UL, CSA, and CE Mark
<b>Bluetooth Profiles Supported</b>	Serial Port Profile (SPP) Service Discovery Application Profile (SDAP) Dial-Up Networking (DUN) Generic Object Exchange Profile (GOEP) Object Push Profile (OPP) File Transfer Profile (FTP) Synchronization Profile (SYNC) Hard Copy Cable Replacement (HCRP) Personal Area Networking Profile (PAN) Human Interface Device Profile (HID) FAX Profile (FAX) Basic Imaging Profile (BIP) Headset Profile (HSP) Hands Free Profile (HFP) Advanced Audio Distribution Profile (A2DP)

\* Wireless access point and internet service required and sold separately. Availability of public wireless access points limited.

### AUDIO/MULTIMEDIA HD AUDIO

#### Audio

DTS Studio Sound™  
2 Front Facing Stereo Speakers  
2 Integrated audio Microphones  
3.5 mm Combo headphone/microphone jack\*

#### Cameras

Front Camera: 2MP  
Rear Camera: 8MP

\* Headphones are sold separately

\*\* Full HD content required for Full HD video playback.

### Technical Specifications

#### Audio Output Quality

<b>Frequency Response</b>	20 Hz - 20 kHz
<b>Signal to Noise Ratio</b>	-66dBFS
<b>Total Harmonic Distortion</b>	0.074%
<b>Noise Floor</b>	-80 dBFS A-weight
<b>Play/Record Sampling Rate(s)</b>	192 Kbps/96Kbps
<b>DAC</b>	24-bit
<b>ADC</b>	24-bit

#### Integrated Stereo Speakers

<b>Power Rating</b>	0.5W
<b>Impedance</b>	8 ohm
<b>Dimensions</b>	16 X 9 X 2.1mm

### SENSORS

Ambient Light Sensor  
 Accelerometer  
 e-Compass  
 Gyroscope  
 Proximity Sensor (WWAN only)  
 Hall Effect Sensor  
 Haptics

### SOFTWARE AND SECURITY

#### Preinstalled Software with Windows Operating System

##### BIOS

Secure Erase<sup>1</sup>  
 Measure Boot (Windows 8.1 only)  
 Secure Boot (Windows 8.1 only)

##### Communication

HP Mobile Connect (Windows 8.1 only)  
 HP Roaming Alert (Windows 8.1 only)  
 Native Miracast Support<sup>2</sup>

##### HP Value Add Software

HP ePrint Driver<sup>3</sup>  
 HP Unified Recovery Manager (Windows 8.1 and 10 only)  
 HP Registration App (Windows 8.1 only)  
 HP Support Assistant

##### Microsoft Products

Buy Office  
 Bing Search

### Technical Specifications

Skype<sup>4</sup>

#### Client Security Software

Absolute Persistence Module  
 HP Drive Encryption  
 HP Security Manager  
 Microsoft Defender (Windows 8.1 only)

#### Standard

TPM 1.2/2.0

**NOTE:** The Absolute Persistence agent is shipped turned off, and must be activated by customers when they purchase a subscription. Subscriptions can be purchased for terms ranging multiple years. Service is limited, check with Absolute for availability outside the U.S.

For more information on HP Client Security Software Suite, refer to <http://www.hp.com/go/clientsecurity>.

<sup>1</sup> For the methods outlined in the National Institute of Standards and Technology Special Publication 800-88.

<sup>2</sup> Miracast is a wireless technology your PC can use to project your screen to TVs, projectors, and streaming media players that also support Miracast. You can use Miracast to share what you're doing on your PC and present a slide show. For more information: <http://windows.microsoft.com/en-us/windows-8/project-wireless-screen-miracast>

<sup>3</sup> Requires an Internet connection to HP web-enabled printer and HP ePrint account registration (for a list of eligible printers, supported documents and image types and other HP ePrint details, see [www.hp.com/go/eprintcenter](http://www.hp.com/go/eprintcenter)). Requires optional broadband module. Broadband use requires separately purchased service contract. Check with service provider for coverage and availability in your area. Separately purchased data plans or usage fees may apply. Print times and connection speeds may vary.

<sup>4</sup> Skype is not offered in China.

<sup>5</sup> Data is protected prior to Drive Encryption login. Turning the PC off or into hibernate logs out of Drive Encryption and prevents data access.

#### Optional Near Field Communications (NFC)\*

#### NFC Specifications

ISO/IEC 14443A, ISO/IEC 14443B PCD 106 kbps to 848 kbps  
 ISO/IEC 14443A, ISO/IEC 14443B PICC 106 kbps to 424 kbps  
 ISO/IEC 15693/ICODE reader  
 NFC-IP1 and NFC-IP2 protocols, 106 kbps to 424 kbps  
 MIFARE reader encryption mechanism  
 NFC Forum Types 1-4 card reader  
 MIFARE and Felica

#### Supported Host Interfaces

I2C

#### Antenna Dimensions

57 x 38.5 x 0.35 mm

#### Frequency Band

13.56 MHz

#### RF Output Voltage

3.3 V max

150 mA max (@3.0V output)

#### Power Consumption

1.5 W (max)

#### Antenna

Built-in

#### Antenna Range

Up to 0.79 in (2 cm)

#### Secure Element Interfaces

NA

### Technical Specifications

<b>Embedded Secure Element (eSE)</b>	NA
<b>ESE Memory</b>	NA
<b>Operating Temperature</b>	-25 °C to +85°C

### POWER

#### Power Supply

15 W AC Charging Adapter with USB Type-C™ cable

#### Battery

21 Whr lithium-polymer

#### Video Playback

Up to 8 hours video MM2012\*

\*Windows 8/MM12 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](http://www.bapco.com) for additional details.

### Technical Specifications

#### WEIGHT AND DIMENSIONS

**Weight**

Starting at 360 grams (0.79 lb) \*

**Dimensions** (w x d x h)

137 x 207 x 8.35 mm (5.39 x 8.14 x 0.33 in)\*

\* Weight and system dimensions may fluctuate due to configuration and manufacturing variances

#### PORTS/SLOTS

**Ports**

- (1) USB-Type C™
- (1) 3.5 mm Combo headphone/microphone jack\*

**Expansion Slots**

Docking port  
MicroSD card slot\*\*

\* Headphones are sold separately

\*\* Up to 2TB of expandable storage. MicroSD card sold separately.

#### IN THE BOX

HP Pro Tablet 608 G1  
15 W AC Charging Adapter with USB Type-C™ cable  
Quick Start Guide

#### SERVICE AND SUPPORT

HP Services offers 3-year, 1-year and 90 day limited warranty options depending on country. Batteries have a default one year limited warranty except for Long Life batteries which will have same 1-year or 3-year limited warranty as the platform. On-site service and extended coverage is also available. HP Care Pack Services are optional extended service contracts that go beyond the standard limited warranties. To choose the right level of service for your HP product, use the HP Care Pack Services Lookup Tool at: <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>



### Technical Specifications

#### SYSTEM UNIT

<b>Stand-Alone Power Requirements (AC Power) Temperature</b>	<b>Nominal Operating Voltage</b>	100-240V, 50-60Hz
	<b>Operating</b>	32° to 95° F (0° to 35° C)
	<b>Non-operating</b>	-4° to 140° F (-20° to 60° C)
<b>Relative Humidity</b>	<b>Operating</b>	10% to 90%, non-condensing
	<b>Non-operating</b>	5% to 95%, 101.6° F (38.7° C) maximum wet bulb temperature
<b>Shock</b>	<b>Operating</b>	40 G, 2 ms, half-sine
	<b>Non-operating</b>	240 G, 2 ms, half-sine
<b>Random Vibration</b>	<b>Operating</b>	1.043 grms
	<b>Non-operating</b>	3.5 grms
<b>Industry Standard Certifications</b>	<b>EMC Compliance - EU/FCC/IC CISPR 22 / EN 55022; CISPR 24 / EN 55024; FCC CFR 47 Part 15 / ICES-003</b>	Yes
	<b>Safety Compliance - UL/CSA/CB IEC/CSA/UL/EN 60950-1</b>	Yes
	<b>Telecom &amp; SAR Compliance - EU/FCC/IC EN 300 328; EN 300 440; EN 301 489; EN 301 893; EN 301 908; EN 301; EN 62311; EN 62209; EN 62479; FCC 47 CFR Part 2; IC RSS102</b>	Yes
	<b>WW - Compliance Americas, APJ, EMEA</b>	Yes
	<b>EPEAT® Gold registered</b>	Yes

For accessibility information on HP products, please visit: <http://www.hp.com/accessibility>.

#### DISPLAY

<b>Diagonal Size</b>	7.86 inch
<b>Refresh Rate</b>	60Hz
<b>Aspect Ratio</b>	4:3 Wide Aspect Ratio
<b>Format</b>	2048 x 1536
<b>Brightness (typical)*</b>	450 nits (cd/m <sup>2</sup> )
<b>Pixels Per Inch</b>	326 PPI

### Technical Specifications

#### ENVIRONMENTAL DATA

Low Halogen\*  
 ENERGY STAR® certified\*\*  
 Mercury Free display backlights and arsenic-free display glass  
 All HP computing products are delivered by SmartWay carriers\*\*\*  
 Recycled Packaging  
 Eligible for free recycling or cash back through HP's Planet Partners Recycling and Consumer Buyback programs  
 ([www.hp.com/go/easybuyback](http://www.hp.com/go/easybuyback))\*\*\*\*

#### Hewlett-Packard Corporate Environmental Information

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

Global Citizenship Report

<http://www.hp.com/hpinfo/globalcitizenship/qcreport/index.html>

Environment website

<http://www.hp.com/environment>

\* 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 [www.hp.com/go/recycling](http://www.hp.com/go/recycling) to see if HP offers free recycling in your area

#### 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.

#### 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
<b>Normal Operation (Short idle)</b>	4.53 W	4.45 W	4.45 W
<b>Normal Operation (Long idle)</b>	1.17 W	1.28 W	1.17 W
<b>Sleep</b>	1.17 W	1.27 W	1.17 W
<b>Off</b>	0.39 W	0.40 W	0.39 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® 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)	15.49 BTU/hr	15.21 BTU/hr	15.21 BTU/hr
Normal Operation (Long idle)	4 BTU/hr	4.37 BTU/hr	4 BTU/hr
Sleep	4 BTU/hr	4.34 BTU/hr	4 BTU/hr
Off	1.33 BTU/hr	1.36 BTU/hr	1.33 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 <sub>WAd</sub> , bels)	Sound Pressure (L <sub>pAm</sub> , decibels)
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Typically Configured – Idle	2.1	16
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Fixed Disk – Random writes	2.1	17
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**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

### Technical Specifications

- Optional expansion base docking station
- 1 multi-bay II storage port
- Interchangeable HDD??

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 than 1ppm by weight  
Cadmium greater than 20ppm by weight

Battery size: CR2032 (coin cell)  
Battery type: Lithium  
Battery size: 6-cell high capacity Lithium-Ion battery (optional 8 cell available)  
audio type:

#### 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](http://www.EPEAT.net)
- Plastics parts weighing over 25 grams used in the product are marked per ISO11469 and ISO1043.
- This product contains 0 % post-consumer recycled plastic (by wt.)
- This product is 99 % recycle-able when properly disposed of at end of life.

#### Packaging Materials

**External:** PAPER/Corrugated 674 g

The plastic packaging material contains at least 0 % recycled content.

The corrugated paper packaging materials contains at least 80 % recycled content.

#### 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

### Technical Specifications

- 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.

### End-of-life Management and Recycling

Hewlett-Packard 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.

### *Technical Specifications*

#### **Hewlett-Packard Corporate Environmental Information**

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

Global Citizenship Report

<http://www.hp.com/hpinfo/globalcitizenship/qcreport/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>

#### **COUNTRY OF ORIGIN**

China

### Change Log

<u>Type</u>	<u>Description</u>	<u>Part #</u>
<b>Cases / Covers / Protection</b>	HP Pro 8 Bluetooth Keyboard Case	K4U64AA
	HP Pro 8 Smart Cover	K3P99AA
	HP Pro 8 Rugged Case	K3P97AA
	HP Pro Tablet Sleeve	LOW35AA
	HP Pro 8 Travel Keyboard	M1E79AA
<b>Dock</b>	HP Pro Portable Tablet Dock*	N3R96AA *Dock can only be used with Windows 10.
<b>Power / Adapters</b>	HP Quick Charge 18W AC Tablet Adapter	K4Q78AA
	15W AC Power Adapter (USB-C)	N2L83AA
	USB-C to 3.0 and 4.5mm Power Adapter	N2Z65AA
	USB-C to Ethernet and USB 3.0 Adapter	N2Z64AA
	HP Wireless Presenter Adapter	F7W95AA
<b>Input / Output</b>	HP Pro Tablet 608 Active Pen	N9D47AA
	HP Mini Wireless Keyboard (Multi-OS)	E5J21AA
	HP Ultra Mobile Wireless Mouse	H6F25AA
	HP X4000b Bluetooth Mouse	H3T50AA
	HP Slim Bluetooth Mouse	F3J92AA
	HP Ultrathin Wireless Mouse	L9V78AA
	HP Ultrathin Wireless Mouse SE	L9V77AA
USB-C to USB3.0 (STD) Adapter	N2Z63AA	
<b>Cables</b>	HP Micro USB to USB Cable	K2P83AA
	HP Micro USB to Ethernet Cable	K2P84AA
	HP Micro USB to HDMI / VGA Cable	K2P81AA
	HP Micro USB to USB / Ethernet	K1V16AA
<b>Cleaning</b>	HP Tablet Cleaning Kit	K6F99AA

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Windows 8/MM12 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](http://www.bapco.com) for additional details.

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