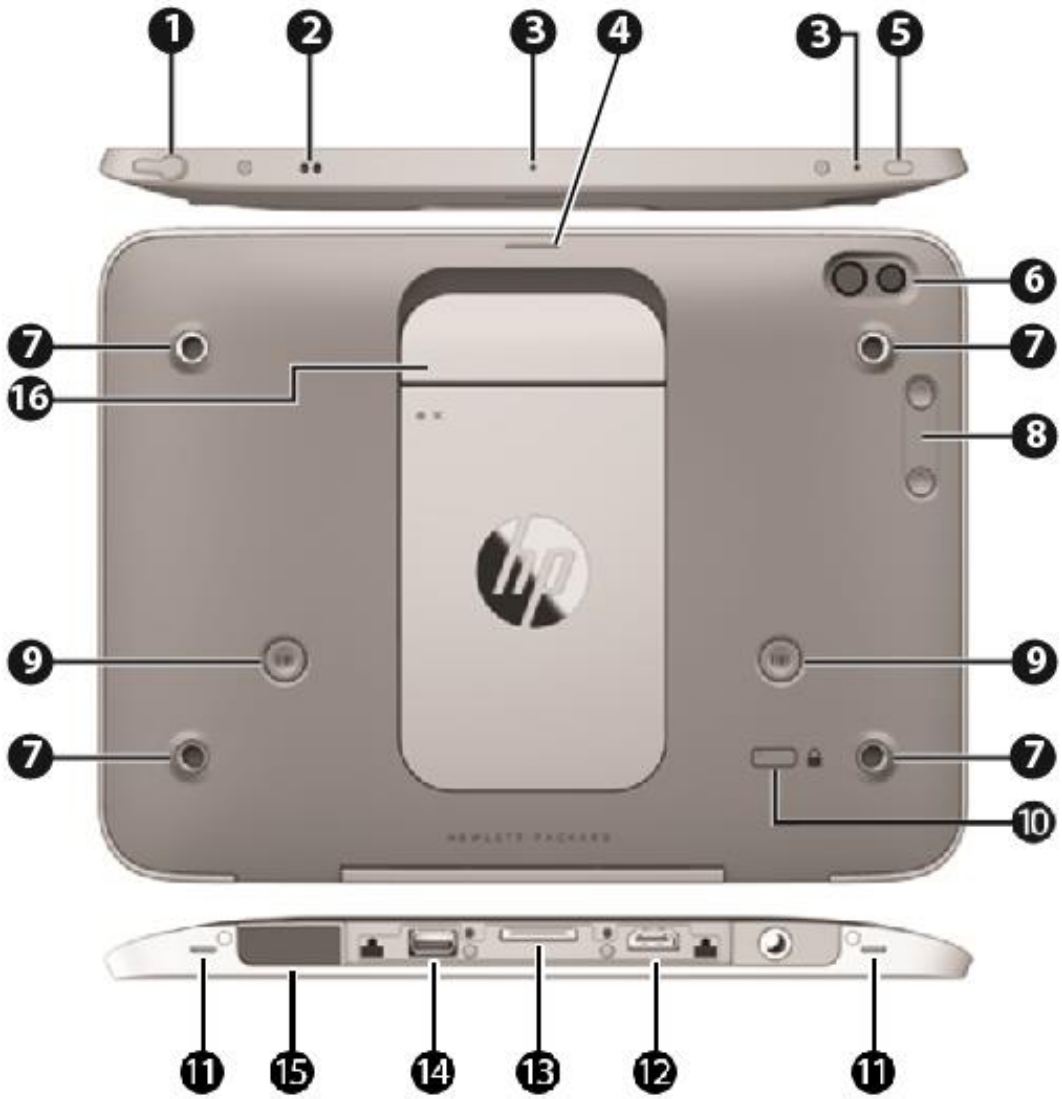
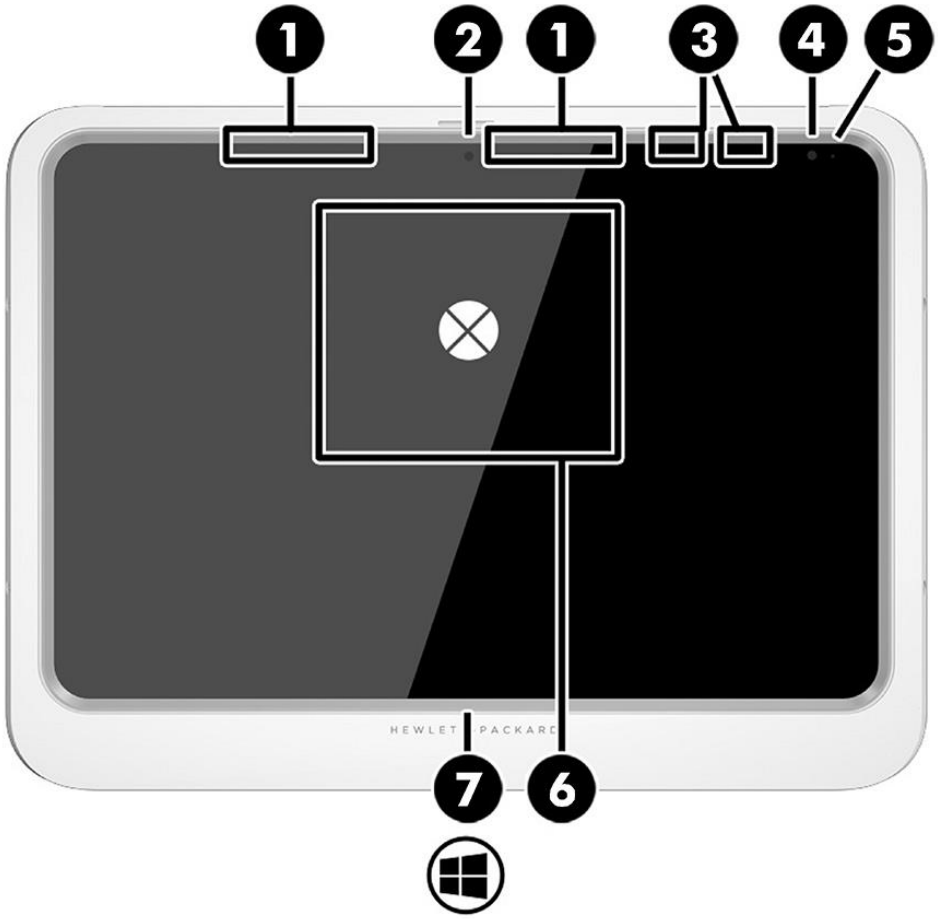
Overview

HP ElitePad 1000 G2 Healthcare Tablet



1. Combo Audio-in (headset)/Audio-out (microphone) jack
2. Lanyard connector holes
3. Internal microphone
4. Pen clip connector
5. Power button
6. Camera and LED Flash
7. Hand Strap connectors
8. Volume buttons
9. Barcode reader trigger buttons
10. Security cable slot
11. Speakers (2)
12. HDMI port
13. System connector
14. USB 3.0 port
15. Barcode reader (select models only)
16. Smart card reader

Overview



1. WWAN antennas (2)* (select models only)
2. Front webcam
3. WLAN antennas (2)
4. Ambient light sensor
5. Webcam status light (front)
6. Near Field Communications (NFC) tapping area (select models only)
7. Windows button

Overview

AT A GLANCE

- Windows 8.1 Pro 64, Windows 8.1 64, Windows 10
- Two integrated webcams (2.1 MP/1080p (front facing); 8 MP with LED flash (rear facing))
- Intel® Atom™ Bay Trail-T Z3795 Quad Core 1.6 GHz SoC BGA
- Integrated Intel® HD Graphics
- 10.1-inch diagonal full HD (1920 x 1200) wide-viewing angle outdoor display; 16:10 Aspect Ratio
- 4GB LPDDR3 1067 MHz Memory
- 2-cell (30 WHr) polymer HP Long Life battery
- 128 GB embedded Multi Media Card (eMMC)
- Weight starting at 2.4 lb (1.10 kg) (ElitePad with healthcare jacket)
- Wireless connectivity:
  - HP hs3110 HSPA+ Mobile Broadband Module with GPS support
  - HP lt4111 LTE/EV-DO/HSPA+ Qualcomm® Gobi™ 4G Module with GPS support
  - HP lt4112 LTE/HSPA+ Qualcomm® Gobi™ 4G Module with GPS support
  - HP lt4225 LTE/HSPA+ Qualcomm® Gobi™ 4G Module with GPS support
  - HP lt4226 LTE/HSPA+ Qualcomm® Gobi™ 4G Module with GPS support
  - Broadcom 43241 802.11 a/b/g/n (2x2)+ BT 4 LE SDIO
- ENERGY STAR® 6.1 certified
- EPEAT® Gold registered (AMS only); EPEAT® Silver registered (APJ and EMEA only)
- IP 54 tested. IP 54 provides level seals against liquid and dust ingress to IP 54 rating
- MIL-STD 810G tested including 3ft (0.91m) drop onto linoleum covered concrete
  - MIL STD is not intended to demonstrate fitness for U.S. Department of Defense contract requirements or for military use. MIL STD test results are not a guarantee of future performance under these test conditions. Damage from drops requires separately purchase Accidental Damage Protection HP Care Pack.
- EN/IEC60601-1-2 NOTE: The HP ElitePad 1000 G2 is a general purpose device and is not intended for use in the diagnosis, cure, treatment, or prevention of disease or other medical conditions)
- Washable with common hospital cleaners, including isopropyl alcohol wipes, bleach and other typical cleaners
- Includes a 2D barcode reader with a unique “visual success indicator” that displays a green dot on the target when the barcode is successfully read. No need to take eyes off the target to verify the barcode has been read.
- Dual triggers for easy push-button access to bar code activation
- Additional configurable audio indicator (beep) for successful barcode read
- Integrated Smart Card reader capable of reading Smart Cards and Common Access Cards
- One handed docking using optional HP ElitePad Docking Station– I/O door held out of the way
- Included I/O: USB 3.0, HDMI in addition to standard power connector
- Compatible with existing HP ElitePad adapters (SD card, Ethernet, VGA adapter and many others)
- Included are two detachable and washable hand straps that can be switched in seconds for right hand or left hand operation
- Shoulder sling provisions for hands-free mobility. Shoulder sling sold separately as an optional feature.
- Standard commercial 1 year limited warranty; upgrade available with optional HP Care Pack

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

Features

PRODUCT NAME

HP ElitePad 1000 G2 Healthcare Tablet

OPERATING SYSTEM

Preinstalled (Windows)

Windows 8.1*
Windows 8.1 Pro 64*
Windows 10 Pro 64*

Web Only

Windows 8.1
Windows 8.1 Pro 64
Swindows 8.1 Enterprise 64
Windows 10 Pro 64
Windows 10 Enterprise 64

*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™ Z3795 (Quad Core 1.6 GHz base/2.39 GHz burst SoC BGA)*

* 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. 64-bit computing on Intel® architecture requires a computer system with a processor, chipset, BIOS, operating system, device drivers, and applications enabled for Intel® 64 architecture. Processors will not operate (including 32-bit operation) without an Intel® 64 architecture-enabled BIOS. Performance will vary depending on your hardware and software configurations. Intel®' numbering is not a measurement of higher performance.

NOTE: Processor speed denotes maximum performance mode; processors will run at lower speeds in battery optimization mode.

CHIPSET

Integrated SoC PCH

GRAPHICS

Integrated:
Intel® HD Graphics

Features

DISPLAY

10.1-inch diagonal full HD (1920 x 1200) WUXGA wide-viewing angle outdoor viewable display

- Brightness: 400 nits (typical)*
- Wide-viewing angle
- Direct bonded
- Multi-touch capacitive digitizer
- Auto rotate (selectable)
- Tough, durable Corning® Gorilla® Glass 3
- Anti-smudge coating
- External – Up to 32-bit per pixel color depth
- HDMI supports resolutions up to 1920 x 1080 @ 60 Hz

* All specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.

STORAGE AND DRIVES

Internal Storage Device
128 GB* embedded Multi Media Card (eMMC)

Removable Storage
Optional HP External Optical Drive using ElitePad USB connector

***** For Solid State Drives (SSD), GB = 1 billion bytes. Actual formatted capacity is less. Up to 5 GB for Windows 8.1 is reserved for system recovery software.

MEMORY

Standard
4 GB LPDDR3 1067 MHz memory

NETWORKING/COMMUNICATIONS

Wireless
Support for a broad range of secure, integrated wireless LAN and wireless WAN options featuring support for the latest industry standards. Broadband Wireless (WWAN) is available in select countries. Wireless LAN and integrated Bluetooth are also available (both are factory configurable only) and can be combined with any of the supported wireless WAN options.

Broadband Wireless (WWAN)
HP hs3110 HSPA+ Mobile Broadband Module with GPS support *,**
HP lt4111 LTE/EV-DO/HSPA+ Qualcomm® Gobi™ 4G Module with GPS support *,**
HP lt4112 LTE/HSPA+ Qualcomm® Gobi™ 4G Module with GPS support *,**
HP lt4225 LTE/HSPA+ Qualcomm® Gobi™ 4G Module with GPS support *,**
HP lt4226 LTE/HSPA+ Qualcomm® Gobi™ 4G Module with GPS support *,**

Integrated Wireless LAN
Broadcom 43241 802.11 a/b/g/n (2x2)+ BT 4 LE SDIO***

Other Wireless Features
Miracast
Intel® WiDi Software****

HP recommends that HP Custom Integration Services (CIS), an authorized HP service provider, or participants in the

Features

HP Self Maintainer program perform insertion or removal of a SIM or SD card. Any damage caused by the customer removing the tablet from the jacket is not covered under the limited warranty of the product. HP requires that HP Custom Integration Services
(CIS), an authorized HP service provider, or participants in the HP Self Maintainer program perform future maintenance operations.

* WWAN 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.
** 4G LTE not available on all products, and in all regions.
***Wireless access point and Internet service is required and is not included. Availability of public wireless access points limited.
**** Integrated Intel® Wi-Di feature is available on select configurations only and requires separately purchased projector, tv or computer monitor with an integrated or external Wi-Di receiver. External Wi-Di receivers connect to the projector, tv or computer monitor via a standard HDMI cable, also sold separately.

AUDIO/MULTIMEDIA

Audio
HD audio 3.5mm Combo stereo/headphone/microphone jack

Cameras
Integrated 2.1 MP/1080p* with LED (front-facing)
8 MP with LED flash (rear facing)

* HD content required to view HD images.

INPUT DEVICES

Optional HP Executive Tablet Pen G2*

* Sold separately or purchased as an optional feature.

SENSORS

Accelerometer
eCompass
Gyroscope
Ambient Light Sensor
Haptics
GPS module available units with WWAN capabilities

SOFTWARE AND SECURITY

Software

Included

Preinstalled (Windows)
Windows 8.1*
Windows 8.1 Pro 64*
Windows 10 Pro 64*

Web Support
Windows 8.1
Windows 8.1 Pro 64
Swindows 8.1 Enterprise 64

Features

Windows 10 Pro 64
Windows 10 Enterprise 64

*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.

	Windows 8.1	Windows 10
Security	HP Client Security (incl. Credential Manager and Password Manager)	HP Client Security (incl. Credential Manager and Password Manager)
	HP Drive Encryption[5]	HP Drive Encryption[5]
	Device Access Manager with Just In Time Authentication	Microsoft Defender[1]
	Microsoft Defender[1]	
Communications	HP Mobile Connect[2]	HP Mobile Connect[2]
	HP Wireless Hotspot[3]	
	HP Roaming Alert (available from Windows store)	HP Roaming Alert (available from Windows store)
HP Value Add Software	HP ePrint Driver[4]	HP ePrint Driver[4]
	HP Manageability	HP Manageability
	HP PageLift	Win 10 Welcome App
	HP Registration	HP Setup
	HP Setup	HP Softpaq Download Manager
	HP Softpaq Download Manager	HP Software Setup
	HP Support Assistant	HP Support Assistant
	HP WallPaper	HP WallPaper
	System Default Settings	System Default Settings
	UEFI System Diagnostics	UEFI System Diagnostics
3rd Party	Amazon Kindle	
	PDF Complete, Corporate Edition	
	Box 50GB Offer[8]	
Microsoft Products	Buy Office	Buy Office

1. Internet access required.

Features

2. HP Mobile Connect is available in EMEA only and requires a compatible CDMA or HSPA mobile broadband module and prepaid service purchase. Find coverage and availability for your service area at www.hp.com/go/mobileconnect.
3. The HP Wireless Hotspot application requires an active internet connection and separately purchased data plan. While HP wireless hotspot is active, on-device applications will continue to work and will use the same data plan as the wireless hotspot. Wireless hotspot data usage may incur additional charges. Check with your service provider for plan details. Requires Windows 8.1 or HP Connection Manager for Windows 7.
4. Offer available on new 2013 and 2014 HP Business Desktops, Notebooks, and Tablets. Requires Box registration. Offer available to new Box users only. Offer subject to change without notice. Box app requires Windows 8 or 8.1
5. Requires Windows. Data is protected prior to Drive Encryption login. Turning the PC off or into hibernate logs out of Drive Encryption and prevents data access.
6. Offer available on new 2013 and 2014 HP Business Desktops, Notebooks, and Tablets. Requires Box registration. Offer available to new Box users only. Offer subject to change without notice. Box app requires Windows 8 or 8.1.

SECURITY

Client Management Solutions - Fully manageable and supported by industry-standard HP Client Management Solutions. Optional LANDesk management suite simplifies mobile device management and security. Contact your account team or hp@landesk.com for more information.

LANDesk Management Suite 9.5 (optional)LANDesk Security Suite (optional)
HP SoftPaq Download Manager (SDM)*
HP System Software Manager (SSM)*
HP BIOS Configuration Utility (BCU)*
HP Client Management Interface (HP CMI)*

*** free downloads available at the CMS website under HP Hardware Management tools**
www.hp.com/go/clientmanagement

Standard
Firmware TPM* (default), hardware TPM (v1.2)
Near Field Communication with Secure Element**

* A subset of the TPM 2.0 specification version v0.89 as implemented by Intel® Platform Trust Technology (PTT).
** NFC is shipped disabled. NFC application or software sold separately. **Please note that only NFC standards compliant cards are supported.**

For more information on HP security solutions refer to: http://www.hp.com/go/security

POWER

Stand-alone power requirements (Jacket)
Normal Operating Voltage 6.5 V
Average Operating Power 8.952 W
Max Operating Power < 40 W

Power Supply

External 10-watt HP ElitePad 10W Smart AC Adapter with detachable duck-heads
Total length is 5.9 ft (180 cm).

Primary Battery

2-cell (30 WHr) Lithium Polymer battery

Battery Life
12 hours 30 minutes for the tablet alone*

*Testing conducted by HP consisting of full battery discharge while running a series of productivity scripts against the

Features

following applications (which may or may not be included with your particular product): Adobe ® AcrobatReader 7.0, Adobe® Illustrator® CS2, Adobe® Photoshop® CS2, Apple® Quicktime 7.1, Intervideo® WinDVD® 8, Macromedia® Flash 8, Microsoft® Office® 2003 Pro, Microsoft® Project 2003, and Winzip® 10.0. Prior to testing, the system was fully charged, display brightness was set at 60 nits, wireless was turned off, and auto dim, suspend, hibernate and all other programs, utilities, and services not essential to running the computer system or battery life test were disabled. Battery life will vary depending on the 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.

System Standby Time

Standby life will vary depending on various factors including battery, Memory, CPU, EC and LAN chip. The maximum capacity of the battery will naturally decrease with time and usage.

Power Conservation

Balanced

* Sold separately or as an optional feature.

WEIGHTS & DIMENSIONS

Weight
2.4 lb (1.10 kg) (jacket and ElitePad)

Dimensions (w x d x h)
8.17 x 10.94 x 0.79 in (207.5 x 278 x 20 mm)

NOTE: Weight includes 2-cell battery, embedded Multi Media Card, and 4 GB memory.

PORTS/SLOTS

Ports
(1) USB 3.0 port
(1) Power/system connector
(1) HDMI port

Other:
(1) Smartcard/Common Access Card (CAC) reader

EXPANSION SOLUTIONS*

Optional HP ElitePad Docking Station

* Sold separately or as an optional feature.

EXPANSION MODULES*

2D barcode reader (optional) with a unique visual success indicator, reader type WVGA 752 x 480 pixels, light source: aiming 650nm VLD, print contrast: 25% minimum; scan angle pitch: +/- 40°, roll: 180°, skew: +/- 40°

* Sold separately or as an optional feature.

Barcode reader	**Reader type**	Wide VGA 752 x 480 pixels
	Light Source	Aiming 650nm VLD

Features

Nominal working distance/depth of field	Code 39 – 5 mil : 4.7 to 17.7cm Code 39 -10 mil : 1.7 to 33.2cm DataMatrix 10 mil : 2.7 to 17.1cm DataMatrix 15mil : 1.2 to 24.6cm EAN 13 mil : 2.5 to 41.9cm PDF 417 – 10 mil : 2.2 to 23.9cm QR Code – 10 mil : 3.5 to 16cm
Print contrast	25% minimum
Scan angle	Pitch : +/- 40deg Roll: 180 deg Skew: +/- 40deg

Decode symbologies factory default barcodes	• 1D
	  ○ Standard 1D Codes
	• 2D
	  ○ Aztec Code
	  ○ China Han Xin Code
	  ○ DataMatrix
	  ○ MaxiCode
	  ○ MicroQR Code
	  ○ QR Code
	• Postal Codes
	  ○ Australian Post
	  ○ British Post
	  ○ China Post
	  ○ IMB
	  ○ Japanese Post
	  ○ KIX Post
	  ○ Korea Post
	  ○ Planet Code
	  ○ Postnet
	  ○ Royal Mail Code (RM4SCC)
	• Stacked Codes:
	  ○ EAN/JAN Composits
	  ○ GSI DataBar Composites
	  ○ GSI DataBar Expanded Stacked
	  ○ GSI DataBar Stacked
	  ○ GSI DataBar Stacked Omnidirectional
	  ○ Macro PDF
	  ○ Mircro PDF 417
	  ○ PDF 417
	• UPC A/C Composites
	
	* Factory setting has these code selections enabled by default

SERVICE AND SUPPORT

1-year standard parts, labor and onsite limited warranty, depending on country); 1-year limited warranty on primary battery. Optional HP Care Pack Services* are extended service contracts which go beyond your standard warranties.**

For more details visit: http://www.hp.com/go/cpc.

* Sold separately or as an optional feature.

Features

** IP54 is covered under the HP limited warranty up to IP54 for water and dust ingress.

NOTE: Service levels and response times for HP Care Packs may vary depending on your geographic location. Service starts on date of hardware purchase. Restrictions and limitations apply. For details, visit www.hp.com/go/cpc. Consult the HP Customer Support Center for details. http://h20000.www2.hp.com/bizsupport/TechSupport/ProductRoot.jsp

NOTE: HP recommends that HP Custom Integration Services (CIS), an authorized HP service provider, or participants in the HP Self Maintainer program perform insertion or removal of a SIM or SD card. Any damage caused by the customer removing the tablet from the jacket is not covered under the limited warranty of the product. HP requires that HP Custom Integration Services (CIS), an authorized HP service provider, or participants in the HP Self Maintainer program perform future maintenance operations.

MIL-STD 810G TEST

High Temperature test*	The High Temperature test was performed in accordance with MIL-STD-810G, Method 501.5, Procedure I (Storage). This test evaluated the units' performance while it was being exposed to high temperature conditions: 71°C (160°F) nonoperational. Test cycle 24 hours; test consisted of seven cycles.
High Temperature test*	The High Temperature test was performed in accordance with MIL-STD-810G, Method 501.5, Procedure II (Operation). This test evaluated the units' performance while it was being exposed to high temperature conditions: 60°C (140°F) operational. Four hours duration.
Low Temperature test*	The Low Temperature test was performed in accordance with MIL-STD-810G, Method 502.5, Procedure I (Storage). This test evaluated the unit's performance while it was being exposed to low temperature conditions: -51°C (-60°F) nonoperational. Four hours duration.
Low Temperature test*	The Low Temperature test was performed in accordance with MIL-STD-810G, Method 502.5, Procedure II (Operation). This test evaluated the unit's performance while it was being exposed to low temperature conditions: -29°C (20°F) operational. Four hour duration.
Altitude*	The Altitude test was performed in accordance with MIL-STD-810G, Method 500.5, Procedure I (Storage) and II (Operation). The altitude level simulated for both procedures was 15,000 feet at 57kPa.Four hour duration
Humidity*	The humidity test was performed in accordance with MIL-STD-810G, Method 507.5, Procedure II. Relative humidity 95%. Temperature cycled between 86oF and 140oF.Test cycle 24 hours; test consisted of ten cycles
Drop*	The drop test was performed in accordance with MIL-STD-810G, Method 516.6, Procedure IV. The objective of this test was to determine whether the unit was operational after being dropped from desk height. For this test, 26 drops were performed from 3ft onto every side, angle and edge onto 2" of plywood over steel over concrete.
Dust*	The dust test was performed in accordance with MIL-STD-810G, Method 510.5, Procedure I. Test parameters were set so that the unit was dusted with Arizona Road Dust for six hours while being operated. Each cycle was one day (24 hours); ten cycles with the temperature being cycled between 30°C (86°F) and 60°C (140°F); and relative humidity was a constant 95%.
Vibration*	The vibration test was performed in accordance with MIL-STD-810G, Method 514.6, Procedure I category 4. This test evaluated the units performance after it has been subjected to higher levels of vibration while in storage: Operational U.S. highway truck exposure, 1000 mile Simulation and One hour/axis duration
Vibration 2*	The vibration test was performed in accordance with MIL-STD-810G, Method 514.6, Procedure I category 24. This test evaluated the units performance after it has been subjected to higher levels of vibration while in storage: Non-operational 0.04 g2/Hz at 20-1000 Hz, -6 dB/octave at 1000-2000 Hz and One hour/axis duration
Shock*	The shock test was performed in accordance with IL-STD-810G, Method 516.6.5, Procedure I. This test objective was to determine whether the unit could be safely operated after being

Features

exposed to sudden physical shock events while operational. For this test, 3 shocks were performed across each axis and direction for a total of 18 shocks -40Gs peak, 11ms

*MIL STD 810G testing 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.

ENVIRONMENTAL/CERTIFICATIONS

Temperature	**Operating**	41° to 95° F (5° to 35° C)
	Non-operating	-4° to 140° F (-20° to 60° C)
Relative Humidity	**Operating**	10% to 90%, relative humidity
	Non-operating	5% to 95% relative humidity, 101.6° F (38.7° C) maximum wet bulb temperature
Shock	**Operating**	Half Sine Wave Shock : 40G, 2ms duration
	Non-operating	Half Sine Wave Shock : 240G, 2ms duration Squarewave Shock : 150G; 180in/sec velocity change
Random Vibration	**Operating**	10-500 Hz, 0.5 grms
	Non-operating	10-500 Hz, 1.0 grms
Altitude (unpressurized)	**Operating**	-50 to 10,000 ft (-15.24 to 3,048 m)
	Non-operating	-50 to 40,000 ft (-15.24 to 12,192 m)
Planned Industry Standard Certifications		

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

COUNTRY OF ORIGIN

China
Mexico for TAA Compliant Configurations

Technical Specifications (more detail)

STORAGE AND DRIVES

128 GB embedded Multi Media Card (eMMC)	**Drive Weight**	Up to 2g
	Capacity	128 GB
	Height	1.4 mm
	Width	12 x 16 mm
	Interface	MultiMediaCard Bus
	Performance	Sequential Read : 100MB/s (min.) Sequential Write ： 40MB/s (min.)
	Features	Embedded Multi Media Card v4.51 compliant, TRIM, Secure Erase, CMD5 support, Partition management, Enhanced Write Protection, HS200 support

SECURITY

Near Field Communications (NFC)*	**NFC Specifications**	The tablet supports communication with Type 1 and Type 2 devices within <20 mm and Type 4A NFC devices within 10 mm.
	Supported Host Interfaces	I2C Automatic wakeup from Standby via host control interface
	Dimensions	0.18 x 0.18 x 0.04 in (4.5 x 4.5 x 0.9 mm)
	Frequency Band	13.56 MHz ISO Band
	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	SWP/HCI according to ETSI/SCP standardization
	Embedded Secure Element (eSE)	P5CN145 SmartMX Secure Dual Interface PKI Smart Card Controller
	eSE Memory	144 kB EEPROM 264 kB User ROM 7.5 kB RAM (5 kB standard, 2.5 kB FameXE RAM)
	Operating Temperature	-13 to 185 ºF (-25 to +85ºC)
	NFC Type Definition	

* NFC is shipped disabled. NFC application or software sold separately. **Please note that only NFC standards compliant cards are supported.**

Technical Specifications (more detail)

NETWORKING/COMMUNICATIONS

HP hs3110/3114 HSPA+ Mobile Broadband Module with GPS support*	**Technology/Operating bands**	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 HSPA+: 2100 (Band 1), 1900 (Band 2), 1700 (Band 4), 850 (Band 5), 900 (Band 8) E-GPRS: 1900 (Band 2), 1800 (Band 3), 850 (Band 5), 900 (Band 8) MHz
	Wireless protocol standards	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
	GPS	Standalone, A-GPS
	GPS Bands	1575.42 MHz ± 1.023 MHz, GLONASS 1596-1607MHz
	Maximum data rates	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
	Maximum output power	WCDMA/HSPA/HSPA+ MHz: 24 dBm GPRS 1900/1800 MHz: 30 dBm GPRS 900/850 MHz: 33 dBm EDGE 1900/1800 MHz: 26 dBm EDGE 900/850 MHz: 27 dBm
	Maximum power consumption	2500 mA (peak); 600 mA (average)
	Power consumption, sleep mode	3.6 mA
	Power management	USB selective suspend
	Antenna type	Dual high efficiency multi-band antennae with spatial diversity
	Form Factor	M.2, 3042-S3 Key B
	Weight	6 g
	Dimensions (Length x Width x Thickness)	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	14° to 131°F (-10° to 55°C)
	Temperature, Non-operating	-40° to 185°F (-40° to 85°C)
	Humidity	5% to 95%

*** 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 (more detail)

HP lt4111 LTE/EV-DO/HSPA+ 4G WWAN 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) LTE: 1900 (Band 2) , 1700/2100 (Band 4), 850 (Band 5), 700 (Band 13), 700 (Band 17), 1900 (Band 25) MHz HSPA+: 2100 (Band 1), 1900 (Band 2) , AWS 1700/2100 (Band 4), 850 (Band 5), 800 (Band 8) MHz E-GPRS: 1900 (Band 2), 1800 (Band 3) , 850 (Band 5) , 900 (Band 8) MHz EV-DO: 800 (BC0), 1900 (BC1) MHz
	Wireless Protocol Standards	3GPP Release 8 LTE Specification WCDMA R99, 3GPP Release 5, 6 and 7 UMTS Specification EVDO Release 0 and Release A
	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
	GPS	Standalone, XTRA
	GPS Bands	1575.42 MHz ± 1.023 MHz, GLONASS 1596-1607MHz
	Maximum Output Power	LTE: 23 dBm WCDMA/HSPA/HSPA+: 23 dBm GSM850/900, GMSK: 32 dBm GSM850/900, 8PSK: 27 dBm DCS1800 / PCS 1900, GMSK: 29 dBm DCS1800 / PCS 1900, 8PSK: 26 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	2 mA
	Power Management	USB selective suspend
	Antenna Type	Dual high efficiency multi-band antennae with spatial diversity
	Form Factor	M.2, 3042-S3 Key B
	Weight	6 g
	Dimensions (Length x Width x Thickness)	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	-13° to 140°F (-25° to 60°C)
	Temperature, Non-operating	-40° to 185°F (-40° to 85°C)
	Humidity, Non-operating	95%

Technical Specifications (more detail)

*** 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.**

HP lt4112 LTE/HSPA+ Gobi 4G Module with GPS support*	**Technology/Operating bands**	LTE FDD all bands with diversity: 2100 MHz (Band I), 1900 MHz (Band II), 1800 MHz (Band III), 850 MHz (Band V), 2600 MHz (Band VII), 900 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) LTE: 2100 (Band 1), 1900 (Band 2), 1800 (Band 3), 850 (Band 5), 2600 (Band7) , 900 (Band 8), 800 MHz (Band 20, DD800) MHz HSPA+: 2100 (Band 1), 1900 (Band 2), 850 (Band 5), 900 (Band 8) MHz E-GPRS: 1900 (Band 2), 1800 (Band 3), 850 (Band 5), 900 (Band 8) MHz
	Wireless protocol standards	3GPP Release 8 LTE Specification WCDMA R99, 3GPP Release 5, 6 and 7 UMTS Specification
	Maximum data rates	LTE: UL 50 Mbs / DL 100 Mbps 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
	GPS	Standalone, XTRA
	GPS bands	1575.42 MHz ± 1.023 MHz, GLONASS 1596-1607MHz
	Maximum output power	LTE: 23 dBm WCDMA/HSPA/HSPA+: 23.5 dBm GPRS 1900/1800 MHz: 29.5 dBm GPRS 900/850 MHz: 32.5 dBm EDGE 1900/1800 MHz: 26.5 dBM EDGE 900/850 MHz: 27.5 dBM
	Maximum power consumption	LTE: 1,200 mA (peak); 900 mA (average) WCDMA: 1,100 mA (peak); 800 mA (average) EDGE: 2,800 mA (peak); 700 mA (average)
	Power consumption, sleep mode	3 mA
	Power management	USB selective suspend
	Antenna type	Dual high efficiency multi-band antennae with spatial diversity
	Form Factor	M.2, 3042-S3 Key B
	Weight	6 g
	Dimensions (Length x Width x Thickness)	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	14° to 131°F (–10° to 55°C)
	Temperature, Non-operating	–40° to 185°F (–40° to 85°C)

Technical Specifications (more detail)

	Humidity, non-operating	95%

*** 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.**

HP lt4225 LTE/EV-DO Gobi 4G Module with GPS support*	**Technology/Operating bands**	LTE (FDD) B11/B18 CDMA/DO BC0/BC6
	Wireless protocol standards	LTE(FDD):3GPP Release 8 3GPP2: EVDO Rev B, eHRPD
	GPS	GPS Standalone, A-GPS, XTRA, Glonass
	GPS Bands	GPS L1:1575.42 MHz (± 1.023 MHz), Glonass L1: 1602MHz + 0.5625*k
	Maximum data rates	1x: UL (153.6 kbps)/DL (153.6 kbps) EVDO Rev.B: UL (5.4 Mbps)/DL (14.7 Mbps) LTE FDD: UL (50 Mbps)/DL (100 Mbps) @ Bandwidth 20M (CAT3)
	Maximum transmitter power	LTE: Accorded with 3GPP TS 36.101 R8 Class 3(23dBm) CDMA BC0 :+23 dBm（Power Class 3） CDMA BC6: +23 dBm（Power Class 2）
	Maximum power consumption	2500mA (peak); 1100mA (average)
	Power consumption, sleep mode	1.6 mA(RF close) 3.6mA(register on net)
	Power management	USB selective suspend
	Antenna type	RF connector MM4829-2702RA4 by MURATA or other equivalent connectors
	Form Factor	M.2, 3042-S3 Key B
	Weight	<6 g
	Dimensions (Length x Width x Thickness)	42 mm x 30 mm x 2.3 mm
	Voltage, Operating	3.135V to ~4.4V (3.3 V recommended)
	Temperature, operating	-10° C° to 55° C
	Temperature, storage	-40°C to 85° C
	Humidity	5% to 95%

*** 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.**

HP lt4226 LTE/HSPA+ Gobi 4G Module with GPS support*	**Technology/Operating bands**	LTE (FDD) B1/B19/B21 DC-HSPA+/HSPA+/HSPA/UMTS B1/B5/B6/B19
	Wireless protocol standards	LTE(FDD):Release 8 UMTS/WCDMA: Release 99 and Release 7
	GPS	GPS Standalone, A-GPS, XTRA, Glonass
	GPS Bands	GPS L1:1575.42 MHz (± 1.023 MHz), Glonass L1: 1602MHz + 0.5625*k
	Maximum data rates	WCDMA PS: UL (384 kbps)/DL (384 kbps) DC-HSPA+: UL (5.76 Mbps)/DL (42 Mbps) LTE FDD: UL (50 Mbps)/DL (100 Mbps) @ Bandwidth 20M (CAT3)

Technical Specifications (more detail)

	Maximum transmitter power	WCDMA/HSPA+: +24dBm (Power Class 3) LTE: Accorded with 3GPP TS 36.101 R8 Class 3(23dBm)
	Maximum power consumption	2500mA (peak); 1100mA (average)
	Power consumption, sleep mode	1.6 mA(RF close) 3.6mA(register on net)
	Power management	USB selective suspend
	Antenna type	RF connector MM4829-2702RA4 by MURATA or other equivalent connectors
	Form Factor	M.2, 3042-S3 Key B
	Weight	<6 g
	Dimensions (Length x Width x Thickness)	42 mm x 30 mm x 2.3 mm
	Voltage, Operating	3.135V to ~4.4V (3.3 V recommended)
	Temperature, operating	-10° C° to 55° C
	Temperature, storage	-40°C to 85° C
	Humidity	5% to 95%

*** 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.**

BROADCOM DUAL BAND WIRELESS-N 43241 802.11 A/B/G/N (2X2) WIFI + BLUETOOTH 4.0 COMBO ADAPTOR *	**WIRELESS LAN STANDARDS**	IEEE 802.11A IEEE 802.11B IEEE 802.11G IEEE 802.11N	
	Interoperability	Wi-Fi certified Cisco Compatible Extensions Program compliant with Microsoft Windows 7, Windows Vista and XP (details at: http://www.hp.com/go/notebooks/WLAN)	
	Frequency Band	802.11b/g/n	2.402 - 2.482 GHz
		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
	Antenna Structure	2 transmit; 2 receive (2x2)	
	Data Rates	802.11a: 6, 9, 12, 18, 24, 36, 48, 54 Mbps 802.11b: 1, 2, 5.5, 11 Mbps 802.11g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps 802.11n: MCS 0 ~ MCS 15, (20MHz, and 40MHz)	
	Modulation	Direct Sequence Spread Spectrum CCK, BPSK, QPSK, 16-QAM, 64-QAM	
	Security[1]	• 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	

Technical Specifications (more detail)

	• 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	IEEE 802.11 compliant roaming between band Access Points
Output Power[2]	• 2.4G: +13.5dBm minimum • 5G: +12dBm minimum
Power Consumption	Transmit: 2.0 Watts Receive: 1.6 Watts Idle mode[3]: 150 mW (WLAN Associated) Idle mode: 50 mW (WLAN unassociated) Radio off: 25 mW
Power Management	802.11 compliant power saving mode
Receiver Sensitivity[4]	802.11g:-90 dBm (6 Mbps), -89 dBm (9 Mbps), -87 dBm (12 Mbps), -85 dBm (18 Mbps), -82 dBm (24 Mbps), -79 dBm (36 Mbps), -76 dBm (48 Mbps), -74 dBm (54 Mbps) 802.11b:-95 dBm (1 Mbps), -93 dBm (2 Mbps), -91 dBm (5.5 Mbps), -88 dBm (11 Mbps) 802.11g:-90 dBm (6 Mbps), -89 dBm (9 Mbps), -87 dBm (12 Mbps), -85 dBm (18 Mbps), -82 dBm (24 Mbps), -79 dBm (36 Mbps), -76 dBm (48 Mbps), -74 dBm (54 Mbps) 802.11n:-69 dBm (150 Mbps), -66 dBm (300 Mbps)
Antenna Connections	2 U.FL type connectors (output impedance of 50 ± 2 ohms)
Form Factor	Customize LGA Card
Dimensions	Width 17 x Depth 10.5 x High 1.5(mm)
Operating Voltage	3.3v +/- 9% and 1.8V +/- 9%
Temperature	Operating 14° to 158° F (-10° to 70° C) Non-operating -40° to 176° F (-40° to 80° C)
Humidity	Operating 10% to 90% (non-condensing) Non-operating 5% to 95% (non-condensing)
Altitude	Operating 0 to 10,000 ft (3,048 m) Non-operating 0 to 50,000 ft (15,240 m)

HP Integrated Module with Bluetooth 4.0 LE SDIO Wireless Technology*

*This module is Bluetooth Smart Ready for systems running Windows 8 and Windows 8.1.

Bluetooth Specification	BT 4.0 LE SDIO
Dimensions	Width 17 x Depth 10.5 x High 1.5(mm)
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	-1.5 dBm to 4 dBm (Bluetooth Class II)

Technical Specifications (more detail)

Receiver Sensitivity	Better than -20 dBM at 0.1 % raw bit error rate
Power Consumption	Peak (Tx) 300 mW Peak (Rx) 180 mW Selective Suspend 10 mW
Antenna	Internally integrated within module
Range	Up to 33 ft (10 m)
Electrical Interface	UART compliant
	Microsoft Windows Plug and Play compliant
Bluetooth Software Supported	Broadcom Bluetooth for Windows
	Microsoft Windows Bluetooth Software
Link Topology	Point to Point, Multipoint Pico Nets up to 7 slaves
Security	Full support of Bluetooth Security Provisions
Power Management	Microsoft Windows ACPI, and USB Bus Support Self-configurable to optimize power conservation in all operating modes, including Standby, Hold, Park, and Sniff
Certifications	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
Bluetooth Profiles Supported	Serial Port Profile (SPP)[1] Service Discovery Application Profile (SDAP) Dial-Up Networking (DUN)[1,2] Generic Object Exchange Profile (GOEP)[1,2] Object Push Profile (OPP)[1,2] File Transfer Profile (FTP) Synchronization Profile (SYNC) Hard Copy Cable Replacement (HCRP)[1,2] Personal Area Networking Profile (PAN)[1,2] Human Interface Device Profile (HID)[1,2] FAX Profile (FAX) Basic Imaging Profile (BIP)[2] 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 Output Quality	**Frequency Response**	20 Hz - 20 kHz
	Signal to Noise Ratio	>85 dB
	Total Harmonic Distortion	0.01%
	Noise Floor	-110 dB
	Play/Record Sampling Rate(s)	8 kHz - 48kHz
	DAC	16, 20 or 24-bit
	ADC	16 or 20-bit

Technical Specifications (more detail)

Integrated Stereo Speakers	**Power Rating**	500mW
	Impedance	4 ohm

POWER

HP 10W non-Smart AC Adapter	**Dimensions**	2.56 x 2.17 x 1.12 in (65.0 x 55.0 x 28.5 mm)	
	Input	100 to 240 VAC	
		Input dPower Rating	< 15W
		Input frequency range	47 – 63 Hz
		Input AC current	0.3A at 90 VAC
	Output	**Voltage**	9V +/- 4.0%
		Constant power	11 W (maximum) continuously between DC output 9V – 6.5V
		Hold-up time	5 msec at 115 VAC input
		Output current limit	1.1A
	Connector	3 pin/grounded, mates with interchangeable cords; 70 pin / tyco connector (to tablet side)	
	Environmental Design	**Operating temperature**	32° to 95° F (0° to 35° C)
		Non-operating (storage) temperature	-4° to 185° F (-20° to 85° C)
		Operating altitude	0 to 16,404 ft (0 to 5,000 m)
		Non-operating altitude	0 to 50,000 ft (0 to 15,240 m)
		Humidity	0% to 95%
		Storage Humidity	0% to 95%
	EMI and Safety Certifications	CE Mark - full compliance with LVD and EMC directives; Worldwide safety standards - IEC60950, EN60950, UL60950, Class1, SELV; Agency approvals - C-UL-US, NORDICS, DENAN, EN55022 Class B, FCC Class B, CISPR22 Class B, CCC, NOM-1 NYCE	
HP 2-cell (30 WHr) Polymer Long Life Primary battery	**Weight**	0.17 kg	
	Dimensions (H x W x L)	8.7 x 1.56 x 0.17 in (22.09 x 13.963 x 0.43 cm)	
	Cells/Type	2-cell, Lithium Ion Polymer	
	Energy	**Voltage**	7.4V
		Amp-hour capacity	4.2
		Watt-hour capacity	30Wh
	Temperature	**Operating (Charging)**	32˚ to 113˚ F (0˚ to 45˚ C)
		Operating (Discharging)	14˚ to 140˚ F(-10˚ to 60˚ C)
		Non-operating	-4˚ to 140˚ F (-20˚ to 60˚ C)
	Battery Re-Charge Time	**System in OFF or Standby Mode**	depends on system setting
		System ON	depends on system setting
	Fuel Gauge LED	No	
	Optional Travel Battery Available	No	

Environmental Data

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.		
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 (Sort idle)	3.83 W	3.96 W	3.85 W
Normal Operation (Long idle)	0.86 W	0.96 W	0.88 W
Sleep	0.86 W	0.96 W	0.88 W
Off	0.19 W	0.20 W	0.19 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)	13 BTU/hr	14 BTU/hr	13 BTU/hr
Normal Operation (Long idle)	3 BTU/hr	3 BTU/hr	3 BTU/hr
Sleep	3 BTU/hr	3 BTU/hr	3 BTU/hr
Off	1 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	2.0	14	
Fixed Disk – Random writes	2.0	14	
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:		
	• 1 USB port • 1 HDMI port • 1 MicroSDXC slot • 1 SIM card slot • 1 Smart card reader • Optional expansion base docking station • Optional serial Adapter • Optional VGA adapter • Optional ethernet adapter		

Environmental Data

	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 Battery size: 6-cell high capacity Lithium-Ion battery (optional 8 cell available) Battery 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 • Plastics parts weighing over 25 grams used in the product are marked per ISO11469 and ISO1043. • This product contains 1.5 % post-consumer recycled plastic (by wt.) • This product is 97.6 % recycle-able when properly disposed of at end of life.		
Packaging Materials	**External:**	PAPER/Paper	370 g
	Internal:	PLASTIC/EPE (Expanded Polyethylene)	29 g
		PLASTIC/Polyethylene low density	8 g
	The plastic packaging material contains at least 0 % recycled content.		
	The corrugated paper packaging materials contains at least 71 % 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 • 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)		

Environmental Data

	• 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.
Hewlett-Packard 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

Environmental Data

CLEANING

The following cleaning solutions, if used as instructed in the user guide, will not harm the HP ElitePad 1000 G2 Healthcare Tablet:

- Benzyl-C12-18-alkyldimethyl ammonium chlorides <1% with quaternary ammonium compounds, C12-14-alkyl[(ethylphenyl)methyl]dimethyl, chlorides <1%
- Isopropanol 10%–20%, 2-butoxyethanol 1%–4%, benzyl-C12-18-alkyldimethyl ammonium chlorides <0.125%, and quaternary ammonium compounds, C12-18-alkyl [(ethylphenyl) methyl] dimethyl, chlorides <0.125%
- Isopropanol 30%–60%, benzyl-C12-18-alkyldimethyl ammonium chlorides 0.1%–1%, and quaternary ammonium compounds, C12-18-alkyl [(ethylphenyl) methyl] dimethyl 0.1%–1%
- Isopropyl alcohol wipes (Isopropyl alcohol 70%)
- Isopropanol 10%–20% and ethylene glycol monobutyl ether 1%–5%)
- n-Alkyl dimethyl benzyl ammonium chloride 5%–10%, didecyl dimethyl ammonium chloride 5%–10%, ethyl alcohol 1%–5%, and lauryl dimethyl amine oxide 0.1%–1.5%
- n-Alkyl dimethyl benzyl ammonium chloride 0.2%–0.4% with lauramine oxide 0.5%–1.5%
- Ethylene glycol n-hexyl ether 0.1%–1.0%, isopropanol 1%–5%, and water 90%–95%
- Sodium hypochlorite 1%–5% with sodium hydroxide 0.5%–2%
- Gentle dish soap and water
- Dry microfiber cleaning cloth or a chamois (static-free cloth without oil)
- Static-free cloth wipes

Please refer to the user guide that came with your product for detailed instructions about how to clean your HP ElitePad 1000 G2 Healthcare using these solutions.

EN60601 EMC safety (EN 60601-1-2:2007 and IEC 60601-1-2:2014)

EN 60601-1-2: 2007*

*__NOTE__: The HP ElitePad 1000 G2 is a general purpose device and is not intended for use in the diagnosis, cure, treatment, or prevention of disease or other medical conditions.

The HP ElitePad 1000 G2 Healthcare Tablet needs special precautions regarding EMC and needs to be used according to the EMC information provided in this document.

WARNING! Portable and mobile RF communications equipment can affect the HP ElitePad 1000 G2 Healthcare Tablet.

Accessories and cables

Port type	HDMI	USB	USB	USB	Audio	Smart card slot
Name/description	Display/ monitor	USB keyboard	USB mouse	External HDD (USB 2.0)	Headphone/ microphone	Smart card

Port type	Dock	Dock PSU	AC/DC PSU
Name/description	HP ElitePad Docking Station	HP AC/DC Power Supply for Dock	HP AC/DC Power Supply
Manufacturer	HP	HP	Delta Electronics, Inc.
Model number	HP ElitePad Docking Station	HSTNN-DA35	HSTNN-DA34

Ports and cabling – Standalone						
Port name on EUT	**Cable description (or reason for no cables)**	**Qty**	**Length as tested (m)**	**Max length (m)**	**Shielded? (Y/N)**	**Termination box ID & port name**
AC Input	AC/DC adapter	1	2.0	>3.0	No	Input Power
HDMI	HDMI	1	2.0	>3.0	No	Monitor
USB	USB port	1	0.5	>3.0	No	HDD

WARNING! Use of accessories, transducers and cables other than those specified or provided by the manufacturer of this equipment could result in increased electromagnetic emissions or decreased electromagnetic immunity of this equipment and result in improper operation.

EN60601 EMC safety (EN 60601-1-2:2007 and IEC 60601-1-2:2014)

Ports and cabling – Docked						
Port name on EUT	**Cable description (or reason for no cables)**	**Qty**	**Length as tested (m)**	**Max length (m)**	**Shielded? (Y/N)**	**Termination box ID & port name**
AC Input–Dock	AC/DC adapter	1	4.0	>3.0	No	Input Power
HDMI	HDMI	1	2.0	>3.0	No	Monitor
USB	USB port	2	0.5	>3.0	No	HDD
USB	Keyboard	1	2.0	>3.0	No	Keyboard
USB	Mouse	1	2.0	>3.0	No	Mouse
Line Out	3.5 mm	1	2.0	>3.0	No	Headphone
LAN	Ethernet	1	2.0	>3.0	No	Switch
VGA	VGA	1	1.0	>3.0	No	Monitor

ELECTROMAGNETIC EMISSIONS

Guidance and manufacturer's declaration—electromagnetic emissions		
Emissions test	**Compliance**	**Electromagnetic environment—guidance**
RF missions CISPR 11	Group 1	The ElitePad 1000 G2 uses RF energy only for its internal function. Therefore, its RF emissions are very low and are not likely to cause any interference in nearby electronic equipment.
RF emissions CISPR 11	Class B	The ElitePad 1000 G2 is suitable for use in all establishments, including domestic establishments and those directly connected to the public low-voltage power supply network that supplies buildings used for domestic purposes.
Harmonic emissions IEC 61000-3-2	Class D	
Voltage fluctuations/flicker emissions	Class Complies	
The HP ElitePad 1000 G2 Healthcare Tablet is intended for use in the electromagnetic environment specified below. The customer or the user of the HP ElitePad 1000 G2 Healthcare Tablet should assure that it is used in such an environment.		

WARNING! Use of this equipment adjacent to or stacked with other equipment should be avoided because it could result in improper operation. If such use is necessary, this equipment and the other equipment should be observed to verify that they are operating normally.

EN60601 EMC safety (EN 60601-1-2:2007 and IEC 60601-1-2:2014)

Guidance and manufacturer's declaration—electromagnetic immunity

The HP ElitePad 1000 G2 Healthcare Tablet is intended for use in the electromagnetic environment specified below. The customer or the user of the HP ElitePad 1000 G2 Healthcare Tablet should assure that it is used in such an environment.

Immunity test	IEC 60601 test level	Compliance level	Electromagnetic environment— guidance
Electrostatic discharge (ESD) IEC 61000-4-2	± 6 kV contact ± 8 kV air	± 8 kV contact ± 2, 4, 8, 15 air	Floors should be wood, concreate, or ceramic tile. If floors are covered with synthetic material, the relative humidity should be at least 30%.
Electrical fast transient/ burst IEC 61000-4-4	± 2 kV for power supply lines ± 1 kV for input/output lines	± 2 kV for power supply lines ± 1 kV for input/output	Mains power quality should be that of a typical commercial or hospital environment.
Surge IEC 61000-4-5	± 1 kV line(s) to line(s) ± 2 kV line(s) to earth	± 0.5 kV, ± 1 kV line(s) to line(s)	Mains power quality should be that of a typical commercial or hospital environment.
NOTE: The HP ElitePad 1000 G2 is a general purpose device and is not intended for use in the diagnosis, cure, treatment, or prevention of disease or other medical conditions.			

EN60601 EMC safety (EN 60601-1-2:2007 and IEC 60601-1-2:2014)

Guidance and manufacturer's declaration—electromagnetic immunity

± 0.5 kV, ± 1 kV, ± 2 kV line(s) to earth			
Voltage dips, short interruptions, and voltage variations on power supply input lines IEC 61000-4-11	<5 % UT (>95 % dip in UT) for 0.5 cycle 40 % UT (60 % dip in UT) for 5 cycles 70 % UT (30 % dip in UT) for 25 cycles <5 % UT (>95 % dip in UT) for 5 s	0% UT (100 % dip in UT) for 0.5 cycle At 0°, 45°, 90°, 135°, 180°, 225°, 270° and 315° 40 % UT (60 % dip in UT) for 5 cycles 70 % UT (30 % dip in UT) for 25/30 cycles	Mains power quality should be that of a typical commercial or hospital environment. If the user of the HP ElitePad 1000 G2 Healthcare Tablet requires continued operation during power mains interruptions, it is recommended that the HP ElitePad 1000 G2 Healthcare Tablet be powered from an uninterruptible power supply or battery.
Power frequency (50/60 Hz) magnetic field IEC 61000-4-8	3 A/m	30 A/m 50 Hz and 60 Hz	Power frequency magnetic fields should be at levels characteristic of a typical location in a typical commercial or hospital environment.
NOTE: UT is the AC mains voltage prior to application of the test level.			

EN60601 EMC safety (EN 60601-1-2:2007 and IEC 60601-1-2:2014)

Because there can be many different applications/uses of the tablet, the Essential Performance is not determined at this time and will be defined by the end user.

Guidance and manufacturer's declaration—electromagnetic immunity

The HP ElitePad 1000 G2 Healthcare Tablet is intended for use in the electromagnetic environment specified below. The customer or the user of HP ElitePad 1000 G2 Healthcare Tablet should assure that it is used in such an environment.

Immunity test	IEC 60601 test level	Compliance level	Electromagnetic environment—guidance
Conducted RF IEC 61000-4-6	3 Vrms 150 kHz to 80 MHz	3 V	Portable and mobile RF communications equipment should be used no closer to any part of the HP ElitePad 1000 G2 Healthcare Tablet, including cables, than the recommended separation distance calculated from the equipment applicable to the frequency of the transmitter. **Recommended separation distance** $d = \frac{3.5}{V1}\sqrt{P} = \frac{3.5}{3}\sqrt{P} = 1.2\sqrt{P}$ 80 MHz to 800 MHz: $d = \frac{3.5}{E1}\sqrt{P} = \frac{3.5}{10}\sqrt{P} = 0.35\sqrt{P}$ 800 MHz to 2.5 GHz: $d = \frac{7}{E1}\sqrt{P} = \frac{7}{10}\sqrt{P} = 0.70\sqrt{P}$
Radiated RF IEC 61000-4-3	3 V/m 80 MHz to 2.5 GHz NOTE: The HP ElitePad 1000 G2 is a general purpose device and is not intended for use in the diagnosis, cure, treatment, or prevention of disease or other medical conditions.	10 V/m	

Where P is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer and d is the recommended separation distance in meters (m).

Field strengths from fixed RF transmitters, as determined by an electromagnetic site survey[1] , should be less than the compliance level in each frequency range.[2]

Interference may occur in the vicinity of equipment marked with the following symbol: 

NOTE: At 80 MHz and 800 MHz, the higher frequency range applies.

NOTE: These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.

EN60601 EMC safety (EN 60601-1-2:2007 and IEC 60601-1-2:2014)

[1] Field strengths from fixed transmitters, such as base stations for radio (cellular/cordless) telephones and land mobile radios, amateur radio, AM and FM radio broadcast and TV broadcast cannot be predicted theoretically with accuracy. To assess the electromagnetic environment due to fixed RF transmitters, an electromagnetic site survey should be considered. If the measured field strength in the location in which the HP ElitePad 1000 G2 Healthcare Tablet is used exceeds the applicable RF compliance level above, the HP ElitePad 1000 G2 Healthcare Tablet should be observed to verify normal operation. If abnormal performance is observed, additional measures may be necessary, such as re-orienting or relocating the HP ElitePad 1000 G2 Healthcare Tablet.

[2] Over the frequency range 150 kHz to 80 MHz, field strengths should be less than 3 V/m.

Recommended separation distances between portable and mobile RF communications equipment and the HP ElitePad 1000 G2 Healthcare Tablet

The HP Elite Pad 1000 G2 Healthcare Tablet is intended for use in an electromagnetic environment in which radiated RF disturbances are controlled. The customer or the user of the HP Elite Pad 1000 G2 Healthcare Tablet can help prevent electromagnetic interference by maintaining a minimum distance between portable and mobile RF communications equipment (transmitters) and the HP Elite Pad1000 G2 Healthcare Tablet as recommended below, according to the maximum output power of the communications equipment.

Rated maximum output power of transmitter (W)	Separation distance according to frequency of transmitter (m)		
	150 kHz to 80 MHz $d=1.20\sqrt{P}$	80 MHz to 800 MHz $d=0.35\sqrt{P}$	80 MHz to 800 MHz $d=0.70\sqrt{P}$
0.01	0.12	0.035	0.070
0.1	0.38	0.11	0.22
1	1.20	0.35	0.70
10	3.80	1.1	2.2
100	12	3.5	7.0

For transmitters rated at a maximum output power not listed above, the recommended separation distance d in meters (m) can be estimated using the equation applicable to the frequency of the transmitter, where P is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer.

NOTE: At 80 MHz and 800 MHz, the separation distance for the higher frequency range applies.

NOTE: These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects, and people.

EN60601 EMC safety (EN 60601-1-2:2007 and IEC 60601-1-2:2014)

Radiofrequency bandwidths

Receiver technology	Frequency or frequency band of reception	Bandwidth
Bluetooth 4.0	2.4 GHz	2 MHz
Wifi 802.11 a/b/g/n	2.4 GHz and 5.0 GHz	20/40 MHz
NFC ISO18092, ISO14443A/B	13.553–13.567 MHz	14 kHz
LTE cat3	1900 MHz, 2100 MHz, 850 MHz, 2600 MHz, 1800 MHz, 900 MHz, 800 MHz	20 MHz

WARNING! The HP ElitePad 1000 G2 Healthcare Tablet may be interfered with by other equipment, even if that other equipment complies with CISPR Emission requirements.

Radiofrequency transmitter bands and ERP

Transmitter technology	Frequency or frequency band	ERP (Effective Radiated Power)	E.I.R.P.
Bluetooth 4.0	2.4 GHz	8.04 dBm	10.19 dBm
Wifi 802.11 a/b/g/n	2.4 GHz and 5.0 GHz	2.4 GHz: 17.39 dBm 5 GHz: 19.7 dBm	2.4 GHz: 19.54 dBm 5 GHz: 21.85 dBm
NFC ISO18092, ISO14443A/B	13.5 MHz	-43 dBm	-40.85 dBm
LTE cat3	2100 MHz, 1900 MHz, 1800 MHz, 1700 MHz, 850 MHz, 2500 MHz, 900 MHz, 800 MHz	B1: 25.19 dBm B2: 26.02 dBm B3: 24.17 dBm B5: 22.87 dBm B7: 21.63 dBm	B1: 27.34 dBm B2: 28.17 dBm B3: 26.32 dBm B5: 25.02 dBm B7: 23.78 dBm

Note: Measurement levels were taken with a WWAN radio model which may or may not be provided with your model.

EN60601 EMC safety (EN 60601-1-2:2007 and IEC 60601-1-2:2014)

Emissions requirements of cables, transducers, and accessories

Port type	Dock	Dock PSU	Dock PSU	AC/DC PSU
Name/description	HP ElitePad Docking Station	HP AC/DC Power Supply for Dock	HP AC/DC Power Supply for Dock	HP AC/DC Power Supply
Manufacturer	HP	HP	HP	Delta Electronics, Inc
Model number	HP ElitePad Docking Station	HSTNN-LA35	HSTNN-DA35	HSTNN-DA34

WARNING! Use of an accessory with the HP ElitePad 1000 G2 Healthcare Tablet other than those specified in the table above may result in increased Emissions or decreased Immunity of the HP ElitePad 1000 G2 Healthcare Tablet.

EN60601 EMC safety (EN 60601-1-2:2007 and IEC 60601-1-2:2014)

IEC 60601-1-2: 2014

HP ElitePad 1000 G2 Healthcare Tablet is suitable for use in all establishments, including domestic establishments and those directly connected to the public low-voltage power supply network that supplies buildings used for domestic purposes.

Essential Performance is not determined at this time and will be defined by the end user. There could be many different applications/uses of the tablet.

Use of this equipment adjacent to or stacked with other equipment should be avoided because it could result in improper operation. If such use is necessary, this equipment and the other equipment should be observed to verify that they are operating normally.

Accessories and cables

Port type	Name/description
HDMI	Display/monitor
USB	USB keyboard
USB	USB mouse
USB	External HDD (USB 2.0)
Audio	Headphone/microphone
Smart card slot	Smart card

Port type	Dock	Dock PSU	AC/DC PSU
Name/description	HP ElitePad Docking Station Station	HP AC/DC Power Supply for Dock Supply for Dock	HP ElitePad Docking Station
Manufacturer	HP	HP	Delta Electronics, Inc.
Model number	HP ElitePad Docking Station	HSTNN-DA35	HSTNN-DA34

Port name on EUT	Cable description (or reason for no cables)	Qty	Length as tested (m)	Max length (m)	Shielded? (Y/N)	Termination box ID & port name
AC Input	AC/DC adapter	1	2.0	>3.0	No	Input Power
HDMI	HDMI	1	2.0	>3.0	No	Monitor
USB	USB port	1	0.5	>3.0	No	HDD

WARNING! Use of accessories, transducers and cables other than those specified or provided by the manufacturer of this equipment could result in increased electromagnetic emissions or decreased electromagnetic immunity of this equipment and result in improper operation.

EN60601 EMC safety (EN 60601-1-2:2007 and IEC 60601-1-2:2014)

Port name on EUT	Cable description (or reason for no cables)	Qty	Length as tested (m)	Max length (m)	Shielded? (Y/N)	Termination box ID & port name
AC Input–Dock	AC/DC adapter	1	4.0	>3.0	No	Input Power
HDMI	HDMI	1	2.0	>3.0	No	Monitor
USB	USB port	2	0.5	>3.0	No	HDD
USB	Keyboard	1	2.0	>3.0	No	Keyboard
USB	Mouse	1	2.0	>3.0	No	Mouse
Line Out	3.5 mm	1	2.0	>3.0	No	Headphone
LAN	Ethernet	1	2.0	>3.0	No	Switch
VGA	VGA	1	1.0	>3.0	No	Monitor

Electromagnetic and radiofrequency emissions

Emissions test	Level/Class	Compliance
RF emissions (Radiated) CISPR 11	Group 1	Compliant
RF emissions (Conducted) CISPR 11	Class B	Compliant
Harmonic emissions IEC 61000-3-2	Class D	Compliant
Voltage fluctuations/ flicker emissions IEC 61000-3-3	N/A	Compliant

WARNING! Portable RF communications equipment (including peripherals such as antenna cables and external antennas) should be used no closer than 30 cm (12 inches) to any part of the HP ElitePad 1000 G2 Healthcare Tablet including cables specified by the manufacturer. Otherwise, degradation of the performance of this equipment could result.

EN60601 EMC safety (EN 60601-1-2:2007 and IEC 60601-1-2:2014)

Guidance and manufacturer's declaration—electromagnetic immunity			
The HP ElitePad 1000 G2 Healthcare Tablet is intended for use in the electromagnetic environment specified below. The customer or the user of the HP ElitePad 1000 G2 Healthcare Tablet should assure that it is used in such an environment.			
Immunity test	**IEC 60601-1-2:2014 home healthcare test level**	**Compliance level**	**Compliance**
Electrostatic discharge (ESD) IEC 61000-4-2	± 8 kV contact ± 2, 4, 8, 15 air	± 8 kV contact ± 2, 4, 8, 15 air	Compliant
Electrical fast transient/ burst IEC 61000-4-4	± 2 kV, 100 kHz for power supply lines ± 1 kV, 100 kHz for input/output lines	± 2 kV, 100 kHz for power supply lines ± 1 kV, 100 kHz for input/output lines	Compliant
Surge IEC 61000-4-5	± 0.5 kv, ± 1 kv line(s) to line(s) ±0.5 kv, ±1 kv, ± 2 kV line(s) to earth	± 0.5 kv, ± 1 kv line(s) to line(s) ±0.5 kv, ±1 kv, ± 2 kV line(s) to earth	Compliant
Voltage dips, short interruptions, and voltage variations on power supply input lines IEC 61000-4-11	0% U_T (100 % dip in U_T) for 0.5 cycle At 0°, 45°, 90°, 135°, 180°, 225°, 270°, and 315° 70 % U_T (30 % dip in U_T) for 25/30 cycles 0% U_T (100 % dip in U_T) for 250/300 cycle 0% U_T (100 % dip in U_T) for 1 cycle	0% U_T (100 % dip in U_T) for 0.5 cycle At 0°, 45°, 90°, 135°, 180°, 225°, 270°, and 315° 70 % U_T (30 % dip in U_T) for 25/30 cycles 0% U_T (100 % dip in U_T) for 250/300 cycle 0% U_T (100 % dip in U_T) for 1 cycle	Compliant
Power frequency (50/60 Hz) magnetic field IEC 61000-4-8	30 A/m 50 Hz and 60 Hz	30 A/m 50 Hz and 60 Hz	Compliant
NOTE: UT is the AC mains voltage prior to application of the test level.			

EN60601 EMC safety (EN 60601-1-2:2007 and IEC 60601-1-2:2014)

Guidance and manufacturer's declaration—electromagnetic immunity			
The HP ElitePad 1000 G2 Healthcare Tablet is intended for use in the electromagnetic environment specified below. The customer or the user of the HP ElitePad 1000 G2 Healthcare Tablet should assure that it is used in such an environment.			
Immunity test	**IEC 60601-1-2:2014 home healthcare test level**	**Compliance level**	**Electromagnetic environment—guidance**
Conducted RF IEC 61000-4-6	Applies to both power supply lines and input/output lines: 3 V 0.15–80 MHz 6 V in ISM and amateur radio bandsa between 0.15–80 MHz 80% AM at 1 kHz	Applies to both power supply lines and input/output lines: 3 V 0.15–80 MHz 6 V in ISM and amateur radio bands[a] between 0.15–80 MHz 80% AM at 1 kHz	Compliant
Radiated RF EM Fields IEC 61000-4-3	10 V/m 80 MHz–2.7 GHz 80% AM at 1 kHz	10 V/m 80 MHz–2.7 GHz 80% AM at 1 kHz	Compliant

Guidance and manufacturer's declaration—electromagnetic immunity			
Proximity fields from RF wireless communication equipment	See Table 12-3 Proximity fields from RF wireless communication equipment on page 69.	See Table 12-3 Proximity fields from RF wireless communication equipment on page 69.	Compliant

[a] The ISM (industrial, scientific and medical) bands between 0,15 MHz and 80 MHz are 6,765 MHz to 6,795 MHz; 13,553 MHz to 13,567 MHz; 26,957 MHz to 27,283 MHz; and 40,66 MHz to 40,70 MHz. The amateur radio bands between 0,15 MHz and 80 MHz are 1,8 MHz to 2,0 MHz, 3,5 MHz to 4,0 MHz, 5,3 MHz to 5,4 MHz, 7 MHz to 7,3 MHz, 10,1 MHz to 10,15 MHz, 14 MHz to 14,2 MHz, 18,07 MHz to 18,17 MHz, 21,0 MHz to 21,4 MHz, 24,89 MHz to 24,99 MHz, 28,0 MHz to 29,7 MHz and 50,0 MHz to 54,0 MHz.

EN60601 EMC safety (EN 60601-1-2:2007 and IEC 60601-1-2:2014)

Table 12-3 Proximity fields from RF wireless communication equipment

Test frequency (MHz)	Band (MHz)	Service	Voltage level	Modulation	Compliance
385	380–390	TETRA 400	27	50% PM, 18 Hz	Compliant
450	430–470	GMRS 460, FRS 460	28	FM ± 5 kHz deviation, 1 kHz sine	Compliant
710	704–787	LTE Band 13, 17	9	50% PM, 217 Hz	Compliant
745					Compliant
780					Compliant
810	800–960	GSM 800/900, TETRA 800, IDEN 820, CDMA 850, LTE Band 5	28	50% PM, 18 Hz	Compliant
870					Compliant
930					Compliant
1720	1700–1990	GSM 1800, CDMA 1900, GSM 1900, DECT, LTE Band 1, 3, 4, 25, UMTS	28	50% PM, 217 Hz	Compliant
1845					Compliant
1970					Compliant
2450	2400–2570	Blutetooth, WLAN, 802.11 b/g/n, RFID 2450, LTE	28	50% PM, 217 Hz	Compliant
5240	5100–5800	WLAN 802.11 a/n	9	50% PM, 217 Hz	Compliant
5500					Compliant
5785					Compliant

EN60601 EMC safety (EN 60601-1-2:2007 and IEC 60601-1-2:2014)

RADIOFREQUENCY BANDWIDTHS

Receiver technology	Frequency or frequency band of reception	Bandwidth
Bluetooth 4.0	2.4 GHz	2 MHz
Wifi 802.11 a/b/g/n	2.4 GHz and 5.0 GHz	20/40 MHz
NFC ISO18092, ISO14443A/B	13.553–13.567 MHz	14 kHz
LTE cat3	1900 MHz, 2100 MHz, 850 MHz, 2600 MHz, 1800 MHz, 900 MHz, 800 MHz	20 MHz

RADIOFREQUENCY TRANSMITTER BANDS AND ERP

Transmitter technology	Frequency or frequency band	ERP (Effective Radiated Power)	E.I.R.P.
Bluetooth 4.0	2.4 GHz	8.04 dBm	10.19 dBm
Wifi 802.11 a/b/g/n	2.4 GHz and 5.0 GHz	2.4 GHz: 17.39 dBm 5 GHz: 19.7 dBm	2.4 GHz: 19.54 dBm 5 GHz: 21.85 dBm
NFC ISO18092, ISO14443A/B	13.5 MHz	-43 dBm	-40.85 dBm
LTE cat3	2100 MHz, 1900 MHz, 1800 MHz, 1700 MHz, 850 MHz, 2500 MHz, 900 MHz, 800 MHz	B1: 25.19 dBm B2: 26.02 dBm B3: 24.17 dBm B5: 22.87 dBm B7: 21.63 dBm	B1: 27.34 dBm B2: 28.17 dBm B3: 26.32 dBm B5: 25.02 dBm B7: 23.78 dBm

Note: Measurement levels were taken with a WWAN radio model which may or may not be provided with your model

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

Type	Description	Part #
Docking	HP ElitePad Docking Station	H4J84AA
	HP ElitePad Docking Station (EMEA)	C0M84ET#ABB/ABU
	Optional HP ElitePad Docking Station	C0M84AA#ABA
Input/Output	HP Executive Tablet Pen (G2)*	F3G73AA
	HP Executive Capacitive Stylus	G4Y85AA
	HP ElitePad 3.0 Adapter	E8F98AA
	HP ElitePad SD Card Reader	H3N48AA
	HP ElitePad Serial Adapter	H3N50AA
	HP Slim Bluetooth Keyboard	H4Q44AA
	HP Mini Wireless Keyboard (Mulit-OS)	E5J21AA
	HP Ultra Mobile Wireless Mouse	H6F25AA
	HP X4000b Bluetooth Mouse	H3T50AA
	HP Slim Bluetooth Mouse	F3J92AA
	HP Touch to Pair Mouse (Bluetooth)	H6E52AA
	* HP Executive Tablet Pen (G2) is only compatible with HP ElitePad 1000 G2, HP Revolve G2 and HP Pro Tablet 610 G1.	
Power	HP ElitePad 10 Watt AC Adapter	H4K08AA
	HP ElitePad 40W AC Adapter	H5W93AA
	HP ElitePad 12W USB Auto Adapter	F5V87AA
	HP ElitePad Smart AC Adapter	H3N47AA
	HP ElitePad USB Chrg 24Pk Cable	F5V88A6
Video	HP ElitePad HDMI & VGA Adapter	H3N45AA
Networking	HP ElitePad Ethernet Adapter	H3N49AA
	HP ElitePad Power/Ethernet Adapter	F9D31AA
Charging Station	HP Multi-Tablet Charging Module	H4W98UT

NOTE: For additional information and specifications for the HP ElitePad Accessories, please access the HP ElitePad Accessories QuickSpecs: http://h18004.www1.hp.com/products/quickspecs/14491_div/14491_div.html

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

Change Log

Summary of Changes

Date of change:	Version History:		Description of change:
February 18, 2015	V1 to v2	Remove	Remove the sentence “IP 54 testing”
		Added	Added new disclaimer,
		Change	Change battry life
February 24, 2015	From v1 to v2	Addition	Added “ Cleaning” chart
March 6, 2015	From v1 to v2	Changed	Change the disclaimer ** and ***
March 11, 2015	From v2 to v3	Upgrade	Made some corrections all around
April 17, 2015	From v3 to v4	Updated	Updates made
July 28, 2015	From v4 to v5	Changed	Change OS for the Windows 10 upload
August 26, 2015	From v5 to v6		Added new chart for EN 60601-1-2: 2007* and IEC 60601-1-2: 2014