

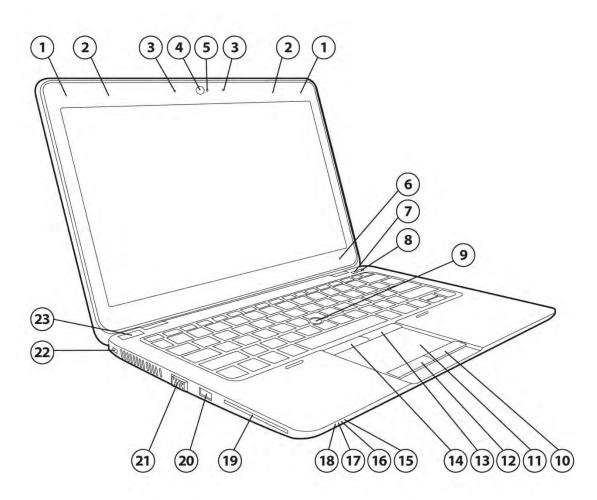
Notebook HP EliteBook 745 G2

Trabalhe no escritório ou em trânsito com facilidade com o HP EliteBook 745 G2 Notebook PC com arquitetura APU AMD. O design fino e leve, com monitor de toque opcional1, torna o EliteBook ultraprodutivo dentro e fora do escritório.



Overview

HP EliteBook 725 G2 Notebook PC



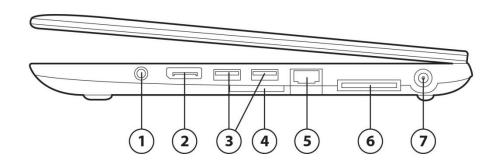
Front/Left

- 1. WLAN antennas (2)
- 2. WWAN antennas (2)
- 3. Internal microphones (2)
- 4. Webcam (select models only)
- 5. Webcam light (select models only)
- 6. Internal display switch
- 7. Wireless button
- 8. Volume mute button
- 9. Pointstick
- 10. Right TouchPad button
- 11. TouchPad zone
- 12. Left TouchPad button

- 13. Right pointing stick button
- 14. Left pointing stick button
- 15. Hard drive light
- 16. AC adapter/Battery light
- 17. Power light
- 18. Wireless light
- 19. Smart card reader
- 20. USB 3.0 charging port
- 21. External VGA monitor port
- 22. Security cable slot
- 23. Power button



Overview



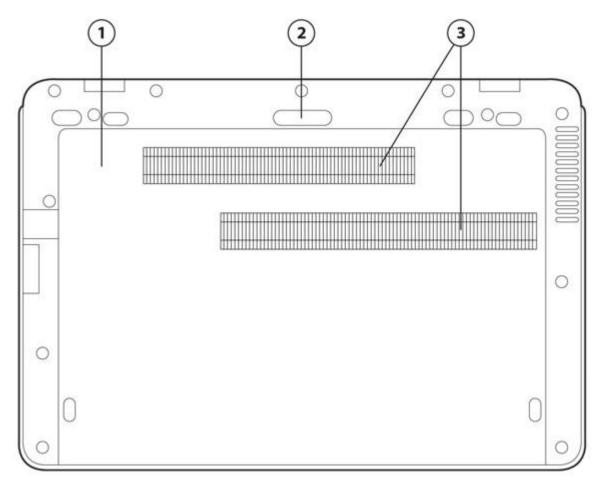
Right

- 1. Audio-out (headphone) jack/Audio-in(microphone) jack
- 2. DisplayPort
- 3. USB 3.0 ports (2)
- 4. Memory card reader

- 5. Drop-jaw Ethernet port (RJ-45)
- 6. Docking port
- 7. Power connector



Overview



Bottom

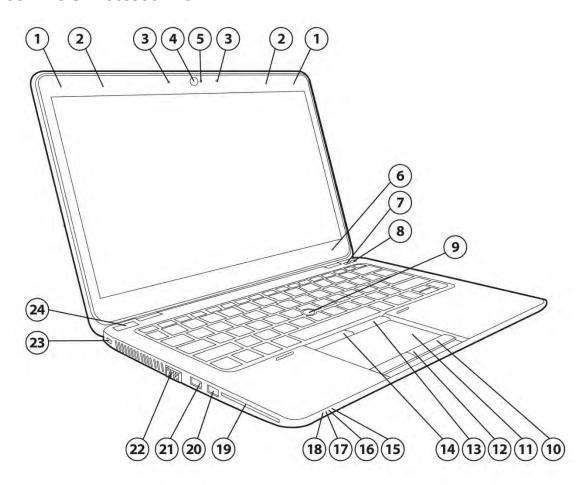
- EasyAccess panel
- 2. EasyAccess panel release lock

3. Vents (2)



Overview

HP EliteBook 745 G2 Notebook PC



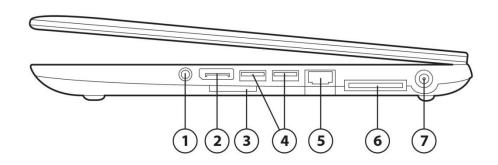
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Overview



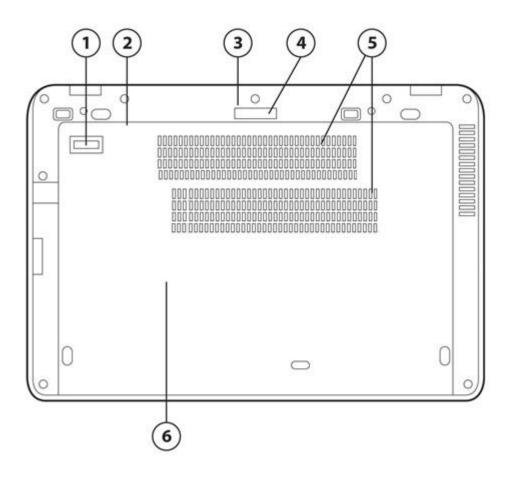
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- 2. DisplayPort
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Overview



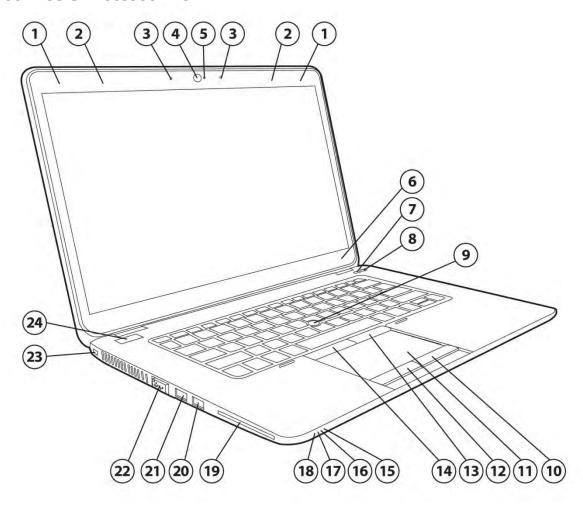
- 1. Slice battery connector
- 2. EasyAccess panel
- 3. EasyAccess panel release latch

- 4. Service door release lock
- 5. Vents (2)
- 6. SIM slot



Overview

HP EliteBook 755 G2 Notebook PC



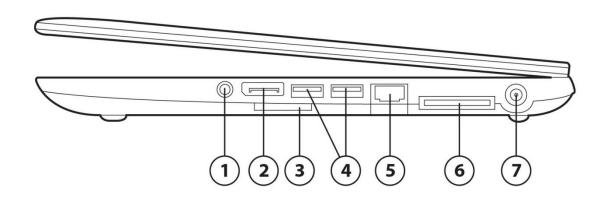
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Overview



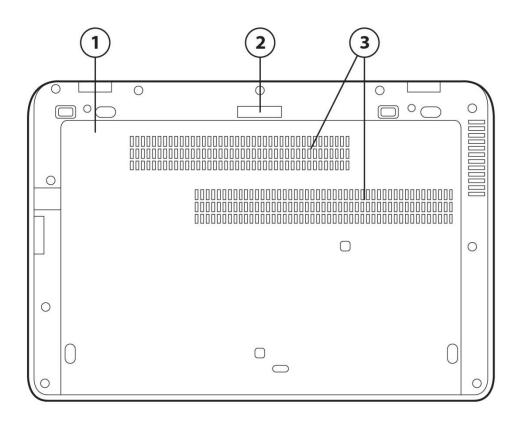
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Overview



Bottom

- 1. EasyAccess panel
- 2. EasyAccess panel release lock

3. Vents (2)



HP EliteBook 725 G2 Notebook PC HP EliteBook 745 G2 Notebook PC HP EliteBook 755 G2 Notebook PC

Overview

AT A GLANCE

- Windows 8.1 versions, Windows 7 Pro 64 bit (available through downgrade rights from Windows 8.1 Pro), Windows 7 versions. Ubuntu Linux or FreeDOS
- Magnesium and aluminum chassis, HP DuraFinish, HP DisplaySafe frame, HP DuraKeys, precision aluminum drop hinge, aluminum palm rest
- 4-step Soft-touch paint process
- Drop-jaw Ethernet port
- EasyAccess door to quickly access most components for easy serviceability
- Full-sized spill-resistant keyboard; optional back-lit keyboard keeps you productive in low-light settings
- Ensured durability through MIL-STD 810G testing, plus an additional 115,000 hours of reliability testing through HP's Total Test Process
- Accelerated Processing Unit and graphics from AMD
- LED-backlit display
 - o HP EliteBook 725: 12.5-inch diagonal HD or FHD Touch
 - HP EliteBook 745: 14.0-inch diagonal HD, HD+ or FHD (including a touch-enabled option) Planned to be available in July 2014.
 - HP EliteBook 755: 15.6-inch diagonal HD or FHD (including a touch-enabled option),
- Easily hot dock with the 2013 UltraSlim Docking Station
- DisplayPort for high resolution support
- Touchpad with scroll zone, on/off button with LED indicator
- Enhanced security features including HP Sure Start self-healing BIOS, HP Client Security, and optional HP Fingerprint Reader
- Optional HD webcam with dual-microphone array for video conferencing
- HD Audio with DTS Studio Sound optimized for high fidelity audio
- · Wireless and speaker mute buttons
- Flexible wireless connectivity options:
 - HP Connection Manager allows full control over wireless connections, including 3G and 4G mobile broadband, Wi-Fi, Ethernet and Bluetooth® (Win 7 only)
 - Integrated HP Mobile Broadband Modules
 - Integrated HP Qualcomm® Gobi Thk 4G Mobile Broadband Modules
 - HP Wireless Hotspot (Win 8.1 Only)
 - o HP Mobile Connect (EMEA Only) (Win 8.1 Only)
- Choice of 7200 rpm user-removable hard drive (up to 500 GB on EliteBook 725, 1 TB on EliteBook 745 and 755) with HP 3D DriveGuard, 5400 rpm user-removable hard drive (up to 1 TB on EliteBook 725), 500 GB 7200 rpm Self Encrypting Drive, 500 GB 5400 rpm FIPS Self Encrypting Drive, 180/256 GB SED Solid State Drive, or 128/180/240 GB Solid State Drive

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



HP EliteBook 725 G2 Notebook PC HP EliteBook 745 G2 Notebook PC HP EliteBook 755 G2 Notebook PC

Features

PRODUCT NAMES

HP EliteBook 725 G2 Notebook PC HP EliteBook 745 G2 Notebook PC HP EliteBook 755 G2 Notebook PC

OPERATING SYSTEM

Preinstalled Windows 8.1 64-bit*

Windows 8.1 Pro 64-bit*

Windows 7 Professional 64-bit (available through downgrade rights from Windows 8.1 Pro 64-

bit)**

Windows 7 Professional 32***
Windows 7 Professional 64***

Ubuntu Linux FreeDOS 2.0

Web support Windows 7 Enterprise 64/32, Windows 8.1 Enterprise 64

* Not all features are available in all editions of Windows 8.1. Systems may require upgraded and/or separately purchased hardware, drivers and/or software to take full advantage of Windows 8.1 functionality. See http://www.microsoft.com for details. ** This system is preinstalled with Windows 8.1 Pro

** This system is preinstalled with Windows® 7 Pro software and also comes with a license and media for Windows 8.1 Pro software. You may only use one version of the Windows software at a time. Switching between versions will require you to uninstall one version and install the other version. You must back up all data (files, photos, etc.) before uninstalling and installing operating systems to avoid loss of your data.

*** Not all features are available in all editions of Windows 7. This system may require upgraded and/or separately purchased hardware to take full advantage of Windows 7 functionality. See http://www.microsoft.com/windows/windows-7/ for details.

ACCELERATED PROCESSING UNIT

AMD A10 Pro-7350B APU (3.3 GHz/2.1 GHz, 4MB L2 cache, 4 cores) with AMD Radeon™ R6 Graphics AMD A8 Pro-7150B APU (3.2 GHz/2.0 GHz, 4MB L2 cache, 4 cores) with AMD Radeon™ R5 Graphics AMD A6 Pro-7050B APU (3.0 GHz/2.2 GHz, 1MB L2 cache, 2 cores) with AMD Radeon™ R4 Graphics

*This system requires a separately purchased 64-bit operating system and 64-bit software products to take advantage of the 64-bit processing capabilities of AMD technology. Multi-core processing with AMD technology is designed to improve performance of this system. Given the wide range of SW applications available, performance will vary. AMD's numbering is not a measurement of clock speed.

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

CHIPSET

AMD A76M Controller Hub (FCH)

GRAPHICS

Integrated Graphics:

AMD A10 Pro-7350B Accelerated Processor with AMD Radeon™ R6 Graphics AMD A8 Pro-7150B APU Accelerated Processor with AMD Radeon™ R5 Graphics AMD A6 Pro-7050B APU Accelerated Processor with AMD Radeon™ R4 Graphics



HP EliteBook 725 G2 Notebook PC HP EliteBook 745 G2 Notebook PC HP EliteBook 755 G2 Notebook PC

Features

DISPLAY

HP EliteBook 725

Internal

12.5" diagonal HD anti-glare SVA flat (1366 x 768)

12.5" diagonal FHD UWVA slim (1920 x 1080) Touch*

12.5" diagonal LED-backlit FHD Premium anti-glare UWVA slim (1920 x 1080) non-touch

External

Up to 32-bit per pixel color depth

VGA

Port supports resolutions up to 1920 x 1200 external resolution@60 Hz

DisplayPort

Supports resolutions up to 3200x2000 @ 60Hz Number of Displays with 2013 UltraSlim Docking Station

UMA

EliteBook 725

HP EliteBook 745

Internal

14.0" diagonal HD anti-glare SVA flat(1366 x 768)

14.0" diagonal HD+ anti-glare SVA flat(1600 x 900)

14.0" diagonal FHD anti-glare UWA slim(1920 x 1080)

14.0" diagonal FHD UWA slim(1920 x 1080) touch

External

Up to 32-bit per pixel color depth

VGA

Port supports resolutions up to 1920 x 1200 external resolution @60 Hz

DisplayPort

Supports resolutions up to 3200x2000 @ 60Hz

Number of Displays with 2013 UltraSlim Docking Station*	UMA
EliteBook 745	3

NOTE: HD content required to view HD images.

NOTE: Resolutions are dependent upon monitor capability, and resolution and color depth settings.



^{*} Touch panel has chemically-strengthened Corning® Gorilla® Glass 3 top cover

HP EliteBook 725 G2 Notebook PC HP EliteBook 745 G2 Notebook PC HP EliteBook 755 G2 Notebook PC

Features

HP EliteBook 755

Internal

15.6" diagonal HD anti-glare SVA flat (1366 x 768) 15.6" diagonal FHD anti-glare SVA slim (1920 x 1080) 15.6" diagonal FHD SVA slim (1920 x 1080) Touch*

External

Up to 32-bit per pixel color depth

VGA

Port supports resolutions up to 1920 x 1200 external resolution @60 Hz

DisplayPort

Supports resolutions up to 3200x2000 @ 60Hz

* Touch panel has chemically-strengthened Corning® Gorilla® Glass 3 top cover

Number of Displays with 2013 UltraSlim Docking Station*	UMA
EliteBook 755	3

NOTE: HD content required to view HD images.

NOTE: Resolutions are dependent upon monitor capability, and resolution and color depth settings.

STORAGE AND DRIVES

Primary Storage Bay Hard Drives*

1 TB 5400 rpm SATA II Hard Drive (EliteBook 725 only)
320/500 GB 7200 rpm SATA II Hard Drive
1 TB 7200 rpm SATA II Hard Drive (EliteBook 745 and 755 only)
500 GB 7200 rpm SED (Self Encrypting Drive)
500 GB 5400 rpm FIPS** SED (Self Encrypting Drive)

Solid State Drive*

128/180/240 GB 2.5" Solid State Drive 180/256 GB SED Solid State Drive

HP 3D DriveGuard (Windows only)

The hard drive is mounted directly to the notebook frame, reducing the transmission of shock to the hard drive

*For hard drives and solid state drives, GB = 1 billion bytes. Actual formatted capacity is less. Up to 16 GB (for Windows 7) and 30 GB (for Windows 8.1) of system disk is reserved for the system recovery software.

NOTE: For Solid State Drives (SSD), GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 30GB for Windows 8.1 is reserved for system recovery software.

MEMORY



^{**} FIPS-certified, hardware-based AES-256 encryption image

HP EliteBook 725 G2 Notebook PC HP EliteBook 745 G2 Notebook PC HP EliteBook 755 G2 Notebook PC

Features

Standard

DDR3L SDRAM (1600 MHz)
Two SODIMM slots supporting dual-channel memory
4 GB and 8 GB* SODIMMs

Maximum

Upgradeable to 16384 MB with optional 8192 MB SODIMMs in slots 1 and 2*

Dual-channel

Maximized dual-channel performance requires SODIMMs of the same size and speed in both memory slots.

* Maximum memory capacities assume Windows 64-bit operating systems or Linux. With Windows 32-bit operating systems, memory above 3 GB may not all be available due to system resource requirements.

NOTE: Due to the non-industry standard nature of some third-party memory modules, we recommend HP branded memory to ensure compatibility. If you mix memory speeds, the system will perform at the lower memory speed.

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*

HP lt4211 LTE/EV-DO/HSPA+ Qualcomm® Gobi 23/4 4G Module (US)*,** (Planned to be available October 2014)

HP lt4112 LTE/HSPA+ Oualcomm® Gobi™ 4G Module (EMEA. APJ) *.**

Wireless LAN (WLAN)***

Broadcom 802.11 a/b/g/n AC (2x2) and Bluetooth® 4.0*** Broadcom 802.11a/b/g/n (2x2) and Bluetooth® 4.0*** Atheros 802.11b/g/n (1x1)***

- * WWAN is an optional feature sold separately or as an add-on feature. 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.

Communications

Realtek RTL8111EP 10/100/1000* Ethernet NIC with DASH Support

* The term "10/100/1000" or "Gigabit" Ethernet indicates compatibility with IEEE standard 802.3ab for Gigabit Ethernet, and does not connote actual operating speed of 1 Gb/s. For high-speed transmission, connection to a Gigabit Ethernet server and network infrastructure is required.

AUDIO/MULTIMEDIA

Audio

HD Audio with DTS Studio Sound 2 Integrated stereo speakers Integrated dual-microphone array; located in the display Function keys for microphone mute, volume up, volume down Stereo headphone/line out



HP EliteBook 725 G2 Notebook PC HP EliteBook 745 G2 Notebook PC HP EliteBook 755 G2 Notebook PC

Features

Stereo microphone/line in

Webcam

Optional 720p HD* webcam

- HD format (widescreen)
- Supports videoconferencing (non-HD) and still image capture
- High quality fixed focus lens
- Video capture at various resolutions up to 1280x720 resolution (720p) and up to 30fps
- M-JPEG compression supports higher frame rates for video capture and videoconferencing
- Improved low light sensitivity
- Improved dynamic range
- Skype-ready **

KEYBOARDS/POINTING DEVICES/BUTTONS & FUNCTION KEYS

Keyboard

The HP spill-resistant keyboard is designed using a thin layer of Mylar film under the keyboard and includes an all-metal keyboard deck for greater rigidity. The 101/102-key compatible keyboard features a full-pitch key layout with desktop keyboard features, such as editing keys, both left and right control and alt keys, and function keys. US and International key layouts are available. Backlit keyboard available as an option.

Pointing Devices

Touchpad with scroll zone, on/off button with LED indicator, two-way scroll, two pick buttons

Buttons and Function Keys

Separate discrete buttons provide easy access to WLAN on/off and speaker mute. Function keys provide control of features including: standby mode, display brightness, external display, microphone mute, volume down, and volume up.

SOFTWARE AND SECURITY

Preinstalled Software with Windows Operating System

BIOS

HP BIOSphere* HP Sure Start**

HP DriveLock | HP Automatic Drive Lock

HP BIOS Protection***

HP Disk Sanitizer ****

HP SpareKev*****

Update via Network

Master Record Security

Power On Authentication

Pre-Boot Security

Secure Erase*****

Hvbrid Boot

Measured Boot

Secure Boot

Absolute Persistence Module *******



^{*} HD content required to view HD images.

^{**}Internet access required.

HP EliteBook 725 G2 Notebook PC HP EliteBook 745 G2 Notebook PC HP EliteBook 755 G2 Notebook PC

Features

- * Available only on business PCs with HP BIOS.
- ** HP SureStart is the first and only self-healing technology solution created to protect against Malware and Security attacks aimed at the BIOS. Available only EliteBooks and ZBooks.
- *** May require a manual recovery step for recovery if all copies of BIOS are compromised or deleted. Feature not supported on ElitePads. HP Business Desktops introduced prior to 2013 do not support this HP BIOS Protection auto-recovery feature.

 **** For the use cases outlined in the DOD 5220.22-M Supplement. Only supports traditional Hard Drives.
- ***** Requires initial user set up.

******* For the methods outlined in the National Institute of Standards and Technology Special Publication 800-88.

******* Absolute agent is shipped turned off, and will be activated when customers activate a purchased subscription.

Subscriptions can be purchased for terms ranging multiple years. Service is limited, check with Absolute for availability outside the U.S. The Absolute Recovery Guarantee is a limited warranty. Certain conditions apply. For full details visit:
http://www.absolute.com/company/legal/agreements/computrace-agreement. Data Delete is an optional service provided by Absolute Software. If utilized, the Recovery Guarantee is null and void. In order to use the Data Delete service, customers must first sign a Pre-Authorization Agreement and either obtain a PIN or purchase one or more RSA SecurID tokens from Absolute Software.

Standard Security Features

HP Client Security with Credential Manager and Password Manager (Windows only)
HP Device Access Manager with Just in Time Authentication (Windows only)
HP Drive Encryption (FIPS 140-2 certified)* (Windows only)
HP File Sanitizer** (Windows only)
Microsoft Security Essentials (Windows 7 only)***

Absolute Persistence Module (Windows only)
TPM Embedded Security Chip 1.2 (EAL4+ Certified)

Optional Security Features

Intel® Anti-Theft*****
Intel Identity Protection******
HP Fingerprint reader

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.

- * 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.
- ** For the use cases outlined in the DOD 5220.22-M Supplement. Supports standard Hard Drives. Initial setup required.
- *** Opt in and internet connection required for updates.
- ****** In order to deploy and receive updated policies, the client needs to be connected to the network server and requires separately purchased DigitalPersona Pro software. System access may not prevent users from logging into the system on the first attempt if policy updates haven't yet been received and applied. Not all features are remotely manageable.

 ******** Intel Anti-Theft security is supported on Intel Core i processors and requires a separately purchased Absolute.

******** Intel Anti-Theft security is supported on Intel Core i processors and requires a separately purchased Absolute Computrace service subscription and must be activated and configured. Check with Absolute for availability in your country. Intel and HP assume no liability for lost or stolen data and/or systems or any other damages resulting therefrom. See http://www.intel.com/technology/anti-theft/.

******** Intel Identity Protection feature is only available with Intel Core Processors. Intel® IPT security requires separate Symantec VIP software service subscription and must be activated and configured. Requires a website that uses Symantec VIP Authentication Service and Microsoft® Windows. Intel® and HP assume no liability for lost or stolen data and/or systems or any other damages resulting therefrom.



HP EliteBook 725 G2 Notebook PC HP EliteBook 745 G2 Notebook PC HP EliteBook 755 G2 Notebook PC

Features

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

Communication

HP Connection Manager (Windows 7 only)

HP GPS and Location*

HP Mobile Connect (Windows 8.1 in select countries only)**

HP Wireless Hotspot*** (Windows 8.1 only)

HP Roaming Alert

MultiMedia

CyberLink PowerDVD

HP Value Add Software

Getting Started with Windows 8.1

HP 3D DriveGuard (Windows required)

HP ePrint Driver (HP Exclusive)****

HP Hotkey Support

HP PageLift (HP Exclusive with Windows 8.1)

HP Recovery Manager (Windows 7 only)

HP Support Assistant W8

HP Recovery Disc Creator (Windows 7 only)

UEFI System Diagnostics W8

3rd Party

Adobe® Flash Player (Commercial) Bing Search Skype**** Buy Office Lync Optimized*****

NOTE: HP Recovery Manager enables fast recovery of the factory preinstalled image if the system becomes corrupted or if important system files are accidentally deleted. Up to 16 GB (for Windows 7) and 36 GB (for Windows 8) of system disk is reserved for the system recovery software.

*GPS access requires an unobstructed path to multiple satellites. Performance may be affected if/when used inside of buildings, bridges or heavily congested metropolitan areas. Requires separately purchased GPS navigation software available from multiple GPS applications.

**Internet access required.

*** The 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.

****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/eprint).

***** Skype is not offered in China.

****** Lync software is sold separately. Requires internet access.

POWER



HP EliteBook 725 G2 Notebook PC HP EliteBook 745 G2 Notebook PC HP EliteBook 755 G2 Notebook PC

Features

Power Supply

HP EliteBook 725 G2 Notebook PC

HP 45W Smart AC Adapter
45W 2-prong 7.4mm DC jack AC Adapter (Only for Japan)
HP 65W Smart EM AC Adapter (China and India only)
HP 65W Slim Smart AC Adapter (Japan and Australia only)
Power cord is configurable; either 3.2 feet or 6 feet (1.0 or 1.8 meter)
Total length including external AC adapter is 9.2 feet or 12 feet (2.86 or 3.66 meter).

HP EliteBook 745 G2 Notebook PC

Integrated graphics:
HP 45W Smart AC adapter
45W 2-prong 7.4mm DC jack AC Adapter (Only for Japan)
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HP EliteBook 725 G2 Notebook PC

Primary Battery

3-cell HP Long Life 26 WHr 3-cell HP Long Life 46 WHr

HP EliteBook 745 G2 Notebook PC

Primary Battery

3-cell HP Long Life 24WHr 3-cell HP Long Life 50 WHr **Secondary Battery** 6-cell HP Long Life Slice 60 WHr (optional)

HP EliteBook 755 G2 Notebook PC

Primary Battery

3-cell HP Long Life 24WHr 3-cell HP Long Life 50 WHr

NOTE: Battery warranty is 1 year or three years, depending on the platform warranty.



HP EliteBook 725 G2 Notebook PC HP EliteBook 745 G2 Notebook PC HP EliteBook 755 G2 Notebook PC

Features

Battery Life*

Configurations with integrated graphics (Windows 7)

HP EliteBook 725 G2

3-cell (46 WHr) battery

with hard drive

Up to 7 hours 45 minutes

3-cell (26 WHr) battery

with 2.5" solid state drive

3-cell (46 WHr) battery with 2.5" solid state drive Up to 5 hours

Up to 9 hours

HP EliteBook 745 G2

3-cell (50 WHr) battery

with hard drive

Up to 9 hours

3-cell (24 WHr) battery

with 2.5" solid state drive

Up to 4 hours 45 minutes

3-cell (50 WHr) battery

with 2.5" solid state drive

3-cell (50 WHr) battery + Slice (60 WHr) with 2.5"

solid state drive

Up to 10 hours 15 minutes

Up to 22 hours 30 minutes

HP EliteBook 755 G2

3-cell (50 WHr) battery

with hard drive

Up to 8 hours

3-cell (24 WHr) battery

with 2.5" solid state drive

3-cell (50 WHr) battery

with 2.5" solid state drive

Up to 4 hours 30 minutes

Up to 9 hours 45 minutes

System Standby Time**

Up to 179 hours UMA (725), up to 156 hours UMA (745 and 755)

Power Conservation

Supports enhanced Intel SpeedStep technology (allows Battery Optimized Mode, Maximum Performance Mode, or Automatic mode) Hibernation Standby **ACPI** compliance



^{*} Windows 7 battery life will vary depending on various factors including product model, configuration, loaded applications, features, use, wireless functionality, and power management settings. The maximum capacity of the battery will naturally decrease with time and usage. See www.bapco.com for additional details.

^{**} 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.

HP EliteBook 725 G2 Notebook PC HP EliteBook 745 G2 Notebook PC HP EliteBook 755 G2 Notebook PC

Features

WEIGHTS & DIMENSIONS

HP EliteBook 725

Dimensions

Depth: 215.3 (8.48") Width: 311 (12.25") Height: 21.0 (0.83")

Height w Touch: 24.8 (0.98")

Weight

Lightest possible configuration across battery and panel options (HD Panel, Non-Touch, 3-cell (25Whr) Battery, 128GB SSD) at 3.00lb / 1.36kg.

Lightest Weight Configurations (across panel, battery and ODD options, if applicable)

	3-cell (25Whr)	3-Cell (46.7Whr)
Non-Touch	3.00lb / 1.36kg	3.20lb/1.45kg
Touch	N/A	3.61lb/1.63kg

HP EliteBook 745

Dimensions

Depth: 237.0mm (9.33")

Depth w Touch: 237.0mm (9.33") Width: 339.0mm (13.34")

Width w Touch: 339.0mm (13.34")

Height: 21.0mm (.0826")

Height w Touch: 21.6mm (0.850")

Specs are in mm. Inches shown for reference.

Weight

Lightest possible configuration across battery and panel options (HD Panel, Non-Touch, 3-cell (24Whr) Battery, 128GB SSD) at 3.48lb / 1.58kg

Lightest Weight Configurations (across panel, battery and ODD options, if applicable)

	3-cell (24Whr)	3-Cell (50Whr)	3-Cell (50 Whr) + Secondary 6-Cell (60Whr)
Non-Touch	3.55lb/1.61kg	3.75lb/1.70kg	5.47lb/2.48kg
Touch	3.91lb/1.77kg	4.11lb/1.86kg	5.83lb/2.64kg
HP EliteBook 755			

Dimensions

Depth: 253.6mm (9.98")

Depth w Touch: 253.6mm (9.98")

Width: 375.5mm (14.78")

Width w Touch: 375.5mm (14.78")

Height: 21.49mm (0.846")

Height w Touch: 25.8mm (1.015")

Specs are in mm. Inches shown for reference.



HP EliteBook 725 G2 Notebook PC HP EliteBook 745 G2 Notebook PC HP EliteBook 755 G2 Notebook PC

Features

Weight

Lightest possible configuration across battery and panel options (HD Panel, Non-Touch, 3-cell (24Whr) Battery, 128GB SSD) at 4.15lb / 1.88kg

Lightest Weight Configurations (across panel, battery and ODD options, if applicable)

	3-cell (24Whr)	3-Cell (50Whr)
Non-Touch	4.19lb/1.90kg	4.39lb/1.99kg
Touch	4.69lb/2.12kg	4.88lb/2.21kg

PORTS/SLOTS

Ports

USB 3.0 – Two for EliteBook 725, Three for EliteBook 745 and EliteBook 755
USB 3.0 (charging) – One
DisplayPort 1.2 – One
VGA – One
Headphone/Microphone combo port – One
RJ-45 (Ethernet) – One
Power connector – One
Side docking connector – One
Secondary battery connector* – One

Expansion Slots

Media Card Reader - supports SD, SDHC, SDXC

SERVICE AND SUPPORT

Limited 3-year, 1-year and 90-day warranty options available, depending on country, 3-year limited warranty on HP Long Life Battery (only available with 3-year platform warranty). Optional* HP Care Pack Services** are extended service contracts which go beyond your standard warranties. For more details visit: http://www.hp.com/go/lookuptool.

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/qo/cpc

NOTE: Long Life battery warranty is 1 year or three years, depending on the platform warranty



^{*} EliteBook 745 only.

^{*}Sold separately or as an optional feature.

^{**} 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. Consult the HP Customer Support Center for details. http://h20000.www2.hp.com/bizsupport/TechSupport/ProductRoot.jsp

Technical Specifications

SYSTEM UNIT

Stand-Alone Power	Nominal Operating Voltage	19.5 V		
Requirements (AC Power)	Average Operating Power	Windows 7 (64-bit)	Windows8 (64-bit)	
•	EliteBook 725 Integrated	4.75 W	4.26 W	
	graphics			
	EliteBook 745 Discrete graphics	4.18 W	5.42 W	
	EliteBook 745 Integrated	4.8 W	4.49 W	
	graphics			
	EliteBook 755 Discrete graphics	4.14 W	3.91 W	
	EliteBook 755 Integrated	4.09 W	4.18 W	
	graphics			
	Max Operating Power	Discrete < 90W		
		UMA < 65W		
Temperature	Operating	32° to 95° F (0° to 35° C) (not writing optical)		
		41° to 95° F (5° to 35° C) (writing optical)		
	Non-operating	-4° to 140° F (-20° to 60° C)		
Relative Humidity	Operating	10% to 90%, non-condensing		
	Non-operating	5% to 95%, 101.6° F (38.7° C) maximum wet bulb		
		temperature		
Shock	Operating	40 G, 2 ms, half-sine		
	Non-operating	200 G, 2 ms, half-sine		
Random Vibration	Operating	0.75 grms		
	Non-operating	1.50 grms		
Altitude (unpressurized)	Operating	-50 to 10,000 ft (-15.24 to 3,048 n		
	Non-operating	-50 to 40,000 ft (-15.24 to 12,192 m)		
Planned Industry Standard	UL	Yes Yes		
Certifications	CSA			
	FCC Compliance	Yes		
	ENERGY STAR®	Select models*		
	EPEAT®	Registered Gold in United States**		
	ICES	Yes		
	Australia /	Yes		
	NZ A-Tick Compliance CCC	Yes		
	Japan VCCI Compliance	Yes		
	KC	Yes		
	BSMI	Yes		
	CE Marking Compliance	Yes		
	BNCI or BELUS	Yes		
	CIT	Yes		
	GOST	Yes		
	Saudi Arabian Compliance	Yes		
	(ICCP)			
	SABS Yes			
	UKRSERTCOMPUTER	Yes		

^{*} Configurations of the HP EliteBook 725, HP EliteBook 745 and HP EliteBook 755 that are ENERGY STAR® qualified are identified as HP EliteBook 725 ENERGY STAR, HP EliteBook 745 ENERGY STAR and HP EliteBook 755ENERGY STAR on HP websites and on www.energystar.gov.

^{**} EPEAT® registration varies by country. See www.epeat.net for registration status by country. EPEAT status listed above applies to U.S.



Technical Specifications

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

DISPLAYS

12.5" diagonal LEDbacklit HD anti-glare SVA $(W \times H \times D)$

flat (1366 x 768)

Outline Dimensions

11.46 x 7.14 x 0.14 in (29.1 x 18.14 x 0.36 cm)

Active Area 10.89 x 6.12 in (27.6615 x 15.552 cm)

Weight 0.6 lb (270q) (max) **Diagonal Size** 12.5 in (35.75 cm)

Surface Treatment Anti-glare **Contrast Ratio** 300:1 (min) **Refresh Rate** 60 Hz

Brightness 200 nit (typical)

Format 1366 x 768 (HD) **Pixel Resolution** Configuration **RGB Stripe**

Interface eDP 1.2 (1 lane)

LCD Mode TN PPI 125 ppi

Viewing Angle SVA 40/40/15/30 (Left/Right/Down/Up)

LED- Outline 12.5" diagonal backlit FHD Premium (W x H x D) **Dimensions** 11.46 x 7.14 x 0.14 in (29.1 x 18.14 x 0.285 cm)

anti-glare UWVA slim (1920 x 1080) non-touch

> **Active Area** 10.89 x 6.12 in (27.648 x 15.552cm)

0.50 lb (230g) (max) Weight **Diagonal Size** 12.5 in (35.75 cm)

Surface Treatment Anti-glare **Contrast Ratio** 600:1 (typ) - AG)

Refresh Rate 60 Hz

Brightness 300 nit (typical)

Format 1920 x 1080 (FHD) **Pixel Resolution**

Configuration **RGB Stripe**

Interface eDP 1.3 (2 lane) **LCD** Mode IPS/FFS/VA PPI 176 ppi

Viewing Angle UWVA 85/85/85/85 (Left/Right/Down/Up)



12.5" diagonal LEDbacklit FHD Premium UWVA slim (1920 x 1080)+Touch

Outline Dimensions

 $(W \times H \times D)$

11.46 x 7.14 x 0.14 in (29.1 x 18.14 x 0.285 cm)

Active Area 10.89 x 6.12 in (27.648 x 15.552cm)

Weight 0.50 lb (230g) (max) **Diagonal Size** 12.5 in (35.75 cm)

Touch enabled Yes

TSP Type Capacitive

Touch point supported Min 5-point & Max 10-point for Win8

Surface Treatment Anti-glare **Contrast Ratio** 600:1 (typ) - AG)

Refresh Rate 60 Hz

Brightness 300 nit (typical)

Format 1920 x 1080 (FHD) **Pixel Resolution**

Configuration **RGB Stripe**

12.6 x 8.09 x 0.14 in (32.09 x 20.56 x 0.36 cm)

Interface eDP 1.3 (2 lane) **LCD Mode** IPS/FFS/VA PPI 176 ppi

Viewing Angle UWVA 85/85/85/85 (Left/Right/Down/Up)

14" diagonal LED-backlit Outline Dimensions HD anti-glare SVA flat (1366 x 768)

 $(W \times H \times D)$

Active Area 12.18 x 6.85 in (30.94 x 17.395 cm)

Weight 0.71 lb (320g) (max) **Diagonal Size** 14.0 in (35.6cm) Surface Treatment Anti-glare **Contrast Ratio** 300:1 (min) **Refresh Rate** 60 Hz

Brightness 200 nit (typical)

Format 1366 x 768 (HD) **Pixel Resolution** Configuration **RGB Stripe**

Interface eDP 1.2 (1 lane)

LCD Mode TN PPI 125 ppi

Viewing Angle SVA 40/40/15/30 (Left/Right/Down/Up)

14" diagonal LED-backlit Outline Dimensions HD+ anti-glare SVA flat

12.6 x 8.09 x 0.14 in (32.09 x 20.56 x 0.36 cm)

 $(W \times H \times D)$

Active Area 12.19 x 6.86 in (30.96 x 17.415 cm)



(1600 x 900) Weight 0.72 lb (325 g) (max)

> **Diagonal Size** 14.0 in (35.6cm) **Surface Treatment** Anti-glare **Contrast Ratio** 300:1 (min) **Refresh Rate** 60 Hz

Brightness 250 nit (typical)

Format 1600 x 900 (HD+) **Pixel Resolution**

Configuration **RGB Stripe**

Interface eDP 1.2 (1 lane)

LCD Mode TN PPI 131 ppi

Viewing Angle SVA 40/40/15/30 (Left/Right/Down/Up)

14" diagonal LED-backlit Outline Dimensions **FHD anti-glare UWVA slim** (W x H x D) (1920 x 1080)

12.6 x 8.09 x 0.12 in (32.09 x 20.56 x 0.3 cm)

Active Area 12.18 x 6.85 in (30.93 x 17.4 cm)

Weight 0.75 lb (340 g) (max) **Diagonal Size** 14.0 in (35.6cm)

Surface Treatment Anti-glare **Contrast Ratio** 600:1 (min) **Refresh Rate** 60 Hz

Brightness 300 nit (typical)

Format 1920 x 1080 (FHD) **Pixel Resolution**

Configuration **RGB Stripe**

Interface eDP 1.3+PSR (2 lane)

LCD Mode IPS/FFS/VA PPI 157 ppi

Viewing Angle UWVA 85/85/85/85 (Left/Right/Down/Up)

14.0" diagonal FHD UWA slim(1920 x 1080) touch

TBD

15.6" diagonal LEDbacklit HD anti-glare SVA $(W \times H \times D)$ flat (1366 x 768)

Outline Dimensions

14.17 x 8.83 x 0.15 in (36.0 x 22.43 x 0.38 cm)

Active Area 13.55 x 7.62 in (34.42 x 19.35 cm)

Weight < 1.1 lb (500 g) (max) **Diagonal Size** 15.6 in (39.62 cm)

Surface Treatment Anti-glare



Contrast Ratio 300:1 (min) **Refresh Rate** 60 Hz

Brightness 200 nit (typical)

Format 1366 x 768 (HD) **Pixel Resolution** Configuration **RGB Stripe**

Interface eDP 1.2 (1 lane)

LCD Mode TN PPI 101 ppi

Viewing Angle SVA 40/40/15/30 (Left/Right/Down/Up)

15.6" diagonal LEDbacklit FHD anti-glare **SVA flat (1920 x 1080)** **Outline Dimensions**

14.17 x 8.83 x 0.15 in (36.0 x 22.43 x 0.32 cm)

 $(W \times H \times D)$

Active Area 13.55 x 7.62 in (34.42 x 19.36 cm)

Weight < 0.84 lb (380 g) (max) **Diagonal Size** 15.6 in (39.62 cm)

Surface Treatment Anti-glare **Contrast Ratio** 400:1 (typical)

Refresh Rate 60 Hz

Brightness 300 nit (typical)

Format 1920 x 1080 (FHD) **Pixel Resolution**

Configuration **RGB Stripe**

eDP 1.2 (2 lane) Interface

LCD Mode TN PPI 142 ppi

Viewing Angle SVA 45/45/25/35 (Left/Right/Down/Up)

15.6" diagonal FHD SVA **slim (1920 x 1080) Touch** (W x H x D)

Outline Dimensions

14.17 x 8.83 x 0.15 in (36.0 x 22.43 x 0.32 cm)

Active Area 13.55 x 7.62 in (34.42 x 19.36 cm)

< 0.84 lb (380 g) (max) Weight **Diagonal Size** 15.6 in (39.62 cm)

TSP Type Capacitive

Touch point supported Min 5-point & Max 10-point for Win8

Contrast Ratio 400:1 (typical)

Refresh Rate 60 Hz

Brightness 300 nit (typical)

Format 1920 x 1080 (FHD) **Pixel Resolution**

Configuration **RGB Stripe**

Interface eDP 1.2 (2 lane)

LCD Mode TN



HP EliteBook 725 G2 Notebook PC HP EliteBook 745 G2 Notebook PC HP EliteBook 755 G2 Notebook PC

Technical Specifications

PPI 142 ppi

Viewing Angle SVA 45/45/25/35 (Left/Right/Down/Up)

STORAGE AND DRIVES

Internal Storage

1 TB* 5400 rpm SATA Hard Drive **Drive Weight** 0.254 lb (115 g)

Capacity 1 TB

 Height
 0.37 in (9.5 mm)

 Width
 2.75 in (70 mm)

Interface ATA-8, SATA 2.6, 3.0 Gb/s, NCQ

Transfer Rate Synchronous 300 MB/s (Drive Capability)

(maximum)

Seek TimeSingle Track3 ms(typical reads, including
settling)Average13 msMaximum24 ms

settling) Maximum Rotational Speed 5400 rpm

Logical Blocks 1,953,525,168

Operating Temperature 32° to 140° F (0° to 60° C) [case temp]

Features ATA Security

500 GB* 5400 rpm SATA FIPS** Hard Drive

Drive Weight 0.25 lbs (95g)
Capacity 500 GB

 Height
 0.28 in (7 mm)

 Width
 2.75 in (70 mm)

Interface ATA-8, SATA 2.6, 3.0 Gb/s, NCQ

Transfer Rate Synchronous (maximum) 300 MB/s (Drive Capability)

Seek TimeSingle Track1.5 ms(typical reads, including
settling)Average11 msMaximum22 ms

Cache 16 MB
Rotational Speed 5400 rpm
Logical Blocks 976,773,168

Operating Temperature 32° to 140° F (0° to 60° C) [case temp]

Features ATA Security

320 GB* 7200 rpm SATA Hard Drive **Drive Weight** 0.25 lbs (115 g)

Capacity 320 GB

 Height
 0.37 in (9.5 mm)

 Width
 2.75 in (70 mm)

Interface ATA-8, SATA 2.6, 3.0 Gb/s, NCQ



Transfer Rate Synchronous (maximum) 300 MB/s (Drive Capability)

Seek TimeSingle Track1.5 ms(typical reads, including settling)Average11 msMaximum22 ms

Cache16 MBRotational Speed7200 rpmLogical Blocks625,142,448

Operating Temperature 32° to 140° F (0° to 60° C) [case temp]

Features ATA Security

500 GB* 7200 rpm SATA Hard Drive

1 TB* 7200 rpm SATA

Hard Drive

Drive Weight 0.25 lbs (115g)

Capacity 500 GB

 Height
 0.37 in (9.5 mm)

 Width
 2.75 in (70 mm)

Interface ATA-8, SATA 2.6, 3.0 Gb/s, NCQ

Transfer Rate Synchronous (maximum) 300 MB/s (Drive Capability)

Seek TimeSingle Track1.5 ms(typical reads, including settling)Average11 msMaximum22 ms

Rotational Speed 7200 rpm **Logical Blocks** 976,773,168

Operating Temperature 32° to 140° F (0° to 60° C) [case temp]

Features ATA Security

Drive Weight 0.25 lbs (115g)

 Capacity
 1 TB

 Height
 0.37 in (9.5)

 Height
 0.37 in (9.5 mm)

 Width
 2.75 in (70 mm)

Interface ATA-8, SATA 2.6, 3.0 Gb/s, NCQ

Transfer Rate Synchronous (maximum) 300 MB/s (Drive Capability)

Seek TimeSingle Track1.5 ms(typical reads, including settling)Average11 msMaximum22 ms

Rotational Speed 7200 rpm Logical Blocks 1,953,525,168

Operating Temperature 32° to 140° F (0° to 60° C) [case temp]

Features ATA Security

500 GB* 7200 rpm SMART Drive Weight 0.25 lbs (115g)



SATA II Self Encrypting Drive

 Capacity
 500 GB

 Height
 0.37 in (9.5 mm)

 Width
 2.50 in (63.5 mm)

Interface ATA-8, SATA 2.6, 3.0 Gb/s

Transfer Rate Synchronous (maximum) 300 MB/s (Drive Capability)

Seek TimeSingle Track1 ms(typical reads, including
settling)Average12 msMaximum20 ms

Cache16 MBRotational Speed7200 rpmLogical Blocks976,773,168

Operating Temperature 32° to 140° F (0° to 60° C) [case temp]

Features ATA Security
SATA 6 Gb/s 128 GB*, 2.5- Drive Weight 73 Grams

inch Solid State Drive

Drive Weight 73 Grams
Capacity 128 GB

 Height
 0.276 in (7 mm)

 Width
 2.76 in (70 mm)

 Interface
 SATA 3 (6 Gb/s)

Performance Maximum Sequential Read Maximum Sequential Write

415 MB/s 175 MB/s

Logical Blocks 250,069,680

Operating Temperature 32° to 158°F (0° to 70°C) [case temp] **Features** ATA Security; ATA-8; SATA 3.0; DIPM; TRIM

SATA 6 Gb/s 180 GB*, 2.5- Drive Weight inch SATA Solid State Capacity

Drive

Drive Weight78 GramsCapacity180 GB

 Height
 0.276 in (7 mm)

 Width
 2.76 in (70 mm)

 Interface
 SATA Gen 3 (6 Gb/s)

Performance Maximum Sequential Maximum Sequential Write

Read

Logical Blocks 351,651,888

Operating Temperature 32° to 158°F (0° to 70°C) [case temp] **Features** ATA Security; ATA-8, SATA 3.0; DIPM; TRIM

SATA 6 Gb/s 240 GB*, 2.5- Drive Weight 78 Grams inch Solid State Drive Capacity 240 GB

 Height
 0.276 in (7 mm)

 Width
 2.76 in (70 mm)



HP EliteBook 725 G2 Notebook PC HP EliteBook 745 G2 Notebook PC HP EliteBook 755 G2 Notebook PC

Technical Specifications

Interface SATA Gen 3 (6 Gb/s)

Performance Maximum Sequential Maximum Sequential Write

Read

550 MB/s 520 MB/s

Logical Blocks 468,862,128

Operating Temperature 32° to 158°F (0° to 70°C) [case temp] ATA Security; ATA-8, SATA 3.0; DIPM; TRIM **Features**

SATA 6 Gb/s 180 GB*, 2.5- Drive Weight

inch SATA SED Solid State Capacity Drive

Height

Up to 78 Grams 180 GB

0.276 in (7 mm) Width 2.76 in (70 mm) SATA Gen 3 (6 Gb/s) Interface

Performance Maximum Sequential Maximum Sequential Write

Read

Up to 550 MB/s Up to 520 MB/s

Logical Blocks 351.651.888

Operating Temperature

32° to 158°F (0° to 70°C) [case temp]

Features ATA Security; ATA-8, SATA 3.0; DIPM; TRIM, TCG Opal Compliant

SATA 6 Gb/s 256 GB*, 2.5- Drive Weight inch SATA SED Solid State Capacity

Drive

Up to 73 Grams

256 GB

0.276 in (7 mm) Height Width 2.76 in (70 mm) Interface SATA 3 (6 Gb/s)

Performance Maximum Sequential Maximum Sequential Write

Read

Up to 460 MB/s Up to 260 MB/s

Logical Blocks 500,118,192

Operating Temperature 32° to 158°F (0° to 70°C) [case temp]

ATA Security; ATA-8 compliant; SATA 3.0; DIPM; TRIM, TCG Opal Compliant **Features**

SECURITY

HP Fingerprint Reader

Mobile Voltage Operation 3.0V-3.6V

(optional)

Operating Temperature 14° – 167°F (-10° – 75°C)

Current Consumption 36 mA peak



^{*} For hard drives and solid state drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 16 GB (for Windows 7) and 30 GB (for Windows 8.1) of system disk is reserved for the system recovery software.

^{** *} FIPS-certified, hardware-based AES-256 encryption image.

HP EliteBook 725 G2 Notebook PC HP EliteBook 745 G2 Notebook PC HP EliteBook 755 G2 Notebook PC

Technical Specifications

Image

Low Latency Wait for

Finger

950 uA

Capture Rate 6000 lines/sec

ESD Resistance IEC 61000-4-2 4B (±15KV)

Detection Matrix 200*1 (plus another secondary line)

508 dpi

12*3 mm sensor area

Smart Card Reader Smart card standard

Dimensions (L x W x H)
Smart Card support

0.41x 0.08 x 0.32 in (10.5 x 2 x 8.2 mm) ISO 7816 Class A and AB smart cards

PC/SC 2.0 for Windows smart card standard

Smart Card Interface

Smart Card Interface with T = 0 and T = 1 support

Support I2C memory card, SLE4418, SLE4428, SLE4432, SLE4442, SLE4436, SLE5536, SLE6636, AT88SC1608, AT45D041 card and AT45DB041 card via

external EEPROM

Operating systems

No driver is required for this device. Native support is provided by the

operating system.

Power

Normal Mode With card present, before being suspended: 40.9 mA

Without card present, before being suspended:

33.16 mA

After being suspended with smart card present: 380

 μ A

After being suspended without smart card present:

380 μ A

Power Saving Mode With card present, before being suspended: 40.6 mA

Without card present: 380 $\,\mu$ A

After being suspended with smart card present: 380

 μ A

Features

Support single slot

• Support T0, T1 protocol

 Support I2C memory card, SLE4418, SLE4428, SLE4432, SLE4442, SLE4436.

 SLE5536, SLE6636, AT88SC1608, AT45D041 card and AT45DB041 card via external EEPROM

Support ISO7816 Class A, B and C (5V/3V/1.8V) card

 Implemented as an USB full speed device with bulk transfer endpoint, Mass

Storage endpoint

Built-in PLL for USB and Smart Card clocks requirement

 Support EEPROM for USB descriptors customization (PID/VID/ iManufacturer/iProduct/Serial Number), Direct Web Page Link, and accessing memory card module.

EEPROM programmable via USB interface

Support software update for memory card module



- Support Direct Web Page Link via configuration in external EEPROM
- Support short APDU and extended APDU
- Compatible with Microsoft USB-CCID driver
- Support remote wake up through inserting card/removing card
- Support USB selective suspend
- Support Power Saving Mode (Using one pin to select between Normal/PWR Saving Mode)
- Support card power over current protection mechanism
- Built in resonator.
- Support USB LPM (Link Power Management) features.
- Embedded clock source.

Networking/communications

Integrated Realtek
10/100/1000 NIC

Ethernet Features

10 Mbit/s operation (10BASE-T; IEEE 802.3i; IEEE 802.3 clauses 13-14) 100 Mbit/s operation (100BASE-TX; IEEE 802.3u; IEEE 802.3 clauses 21-30) 1000 Mbit/s operation (1000BASE-T; IEEE 802.3ab; IEEE 8023 clauses 40)

Auto-Negotiation (Automatic Speed Selection)

Full Duplex Operation at all Speeds, Half Duplex operation at 10 and 100

Mbit/s

IEEE 802.1p QoS (Quality of Service) Support

IEEE 802.1q VLAN support

IEEE 802.3x Flow Control (IEEE 802.3 clauses 31-32; configurable)

IEEE 802.3az EEE (Energy Efficient Ethernet)

Jumbo Frame 9K

Auto MDI/MDIX Crossover cable detection

Power ACPI compliant - multiple power modes Management

Situation-sensitive features reduce power consumption

Advanced link down power saving for reducing link down power

consumption

Performance TCP/IP/UDP Checksum Offload (configurable)

Features Protocol Offload (ARP & NS)

Large send offload and Giant send offload

Receiving Side Scaling

Manageability Wake-on-LAN from standby and hibernation (Magic Packet and Microsoft

Wake-Up Frame); Wake-on-LAN from off (Magic Packet only)

PXE 2.1 Remote Boot

Statistics Gathering (SNMP MIB II, Ethernet-like MIB, Ethernet MIB (802.3x,

clause 30))

Comprehensive diagnostic and configuration software suite

Virtual Cable Doctor for Ethernet cable status

Interface PCI Express 1.1 x1 to fully support ASPM LOs/L1 and CLKREQ

NIC Device Driver Name Realtek PCIe GBE Ethernet Family Controller

HP hs3110/3114 HSPA+ **Mobile Broadband**

Technology/Operating bands

HSPA+: 2100 (Band 1)/1900 (Band 2)/1700 (Band 4)/850 (Band 5)/900

(Band 8) MHz



HP EliteBook 725 G2 Notebook PC HP EliteBook 745 G2 Notebook PC HP EliteBook 755 G2 Notebook PC

Technical Specifications

Module*

E-GPRS: 1900 (Band 2)/1800 (Band 3)/850 MHz (Band 5)/900 (Band 8) MHz

Wireless protocol standards

E-GPRS: Class B, Multi-slot class 33, coding schemes CS1 - CS4 and MSC1 -

MSC9.

UMTS/WCDMA: Release 99 and Release 7

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 E-GPRS: UL 236.8 kbps/DL 296 kbps GPRS: UL 85.6 kbps / DL 107 kbps

Maximum output power HSPA+ MHz: 24 dBm

E-GPRS 1800/1900: 26 dBm E-GPRS 850/900: 27 dBm GPRS 1800/1900: 30 dBm GPRS 850/900: 33 dBm

Maximum power consumption

2500 mA (peak); 600 mA (average)

Form Factor M.2, 3042-S3 Key B

Weight 6 g

Dimensions 1.65 x 1.18 x 0.09 in (42 x 30 x 2.3 mm)

(Length x Width x Thickness)

* 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 lt4211 LTE/EVDO/HSPA+ Qualcomm® Gobi™ 4G Module* (Planned to be available July 2014) Technology/Operating

bands

LTE: 1900 (Band 2)/1700 (Band 4)/850 (Band 5)/700 (Band 13), 700 (Band

17), 1900 (Band 25) MHz

HSPA+: 2100 (Band 1)/1900 (Band 2)/1700 (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-D0: 800 (BC0)/1900 (BC1) MHz

Wireless protocol standards

3GPP Release 9 LTE Specification

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

E-GPRS: Class B, Multi-slot class 33, coding schemes CS1 - CS4 and MSC1 -

MSC9

EVDO Release 0 and Release A

GPS Standalone

GPS bands 1575.42 MHz, GLONASS 1602 MHz

Maximum data rates LTE (Category 3): 100 Mbps (Download), 50Mbps (Upload)

DC-HSPA+: 42 Mbps (Download), 5.76 Mbps (Upload)



HSPA+: 21.6 Mbps (Download), 5.76 Mbps (Upload)
WCDMA PS: 384 kbs (Download), 384 kbs (Upload)
WCDMA CS: 64 kbs (Download), 64 kbs (Upload)
E-GPRS: 236.8 kbps (Download), 236.8 kbps (Upload)
GPRS: 85.6 kbps(Download), 85.6 kbps (Upload)
EV-DO Rev.B: 14.7 Mbps (Download), 5.4 Mbps (Upload)
EV-DO Rev.A: 3.1 Mbps (Download), 1.8 Mbps (Upload)

Maximum output power LTE: +23 dBm (+1/- 2 dBm)

HSPA+: +24 dBm (+1/- 2 dBm)

E-GPRS Band 1800/1900: +25 dBM (+/-1 dBm) E-GPRS Band 850/900: +26 dBM (+/-1 dBm) GPRS 1800/1900: +30 dBm (+1/-2 dBm) GPRS 850/900: +32 dBm (+/- 1 dBm)

EV-D0: +24 dBM (+/-1 dBm)

Maximum power consumption

LTE: 1,200 mA (peak); <900 mA (average) HSPA+: 1,100 mA (peak); <800 mA (average) E-GPRS: 2,800 mA (peak); <500 mA (average) EV-DO: 1000 mA (peak); <700 mA (average)

Form Factor M.2, 3042-S3 Key B

Weight 6 g

Dimensions 1.65 x 1.18 x 0.09 in (42 x 30 x 2.3 mm)

(Length x Width x Thickness)

* 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+ Qualcomm® Gobi™ 4G Module* Technology/Operating

bands

LTE: 2100 (Band 1)/1900 (Band 2)/1800 (Band 3)/850 (Band 5), 2600 (Band

7), 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

E-GPRS: Class B, Multi-slot class 33, coding schemes CS1 - CS4 and MSC1 -

MSC9

GPS Standalone

GPS bands 1575.42 MHz ± 1.023 MHz, GLONASS 1596-1607MHz **Maximum data rates** LTE (Category 3): 100 Mbps (Download), 50Mbps (Upload)

DC-HSPA+: 42 Mbps (Download), 5.76 Mbps (Upload) HSPA+: 21.6 Mbps (Download), 5.76 Mbps (Upload) EDGE: 236.8 kbps (Download), 236.8 kbps (Upload) GPRS: 85.6 kbps(Download), 85.6 kbps (Upload)



Technical Specifications

Maximum output power LTE: 23 dBm

HSPA+: 23.5 dBm

E-GPRS 1900/1800: 26.5 dBM E-GPRS 900/850: 27.5 dBM GPRS 1900/1800: 29.5 dBm GPRS 900/850: 32.5 dBm

Maximum power consumption

LTE: 1,200 mA (peak); 900 mA (average)
HSPA+: 1,100 mA (peak); 800 mA (average)

E-GPRS: 2,800 mA (peak); 700 mA (average)

Form Factor M.2, 3042-S3 Key B

Weight 6 g

Dimensions 1.65 x 1.18 x 0.09 in (42 x 30 x 2.3 mm)

(Length x Width x Thickness)

Interoperability

Frequency Band

Broadcom 802.11a/b/g/n (2x2) and Bluetooth® 4.0* Wireless LAN Standards IEEE 802.11a

IEEE 802.11b
IEEE 802.11g
IEEE 802.11n
Wi-Fi certified
802.11b/q/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 – 5.855 GHz

• 2.402 - 2.482 GHz

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

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

• IEEE and WiFi compliant 64 / 128 bit WEP encryption for a/b/g

mode only

AES-CCMP: 128 bit in hardware



^{*} 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

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 V5

WAPI

Network Architecture

Ad-hoc (Peer to Peer)

Models Roaming

IEEE 802.11 compliant roaming between access points

Output Power²

2.4G: +13.5dBm minimum

Infrastructure (Access Point Required)

5G: +12dBm minimum

Maximum output power must be able to achieve modular regulatory certification with notebooks that have antennas >20cm from the user and peak gain of +3dBi at 2.4GHz and +4dBi at 5GHz

Power Consumption

Transmit: 2.0 W (max)

Receive: 1.6 W (max)

Idle mode (PSP): 250 mW (WLAN Associated)
Idle mode: 100 mW (WLAN unassociated)

Radio disabled: 75 mW

Power Management

ACPI and PCI Express compliant power management

802.11 compliant power saving mode

Receiver Sensitivity³

802.11b:-95 dBm (1 Mbps), -93 dBm (2 Mbps), -91 dBm (5.5 Mbps), -88

dBm (11 Mbps)

802.11a/g:-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 (72.2 Mbps), -66 dBm (300 Mbps)

Antenna type

High efficiency antenna with spatial diversity, mounted in the display

enclosure

Two embedded dual band 2.4/5 GHz antennas are provided to the card to support WLAN MIMO communications and Bluetooth communications

Form Factor PCI-Express Half-MiniCard

Dimensions 0.19 x 1.06 x 1.18 in (4.75 x 26.8 x 30 mm)

Weight 3.1g Operating Voltage 3.3v +/- 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)

LED Off – Radio OFF; Solid LED On – Radio ON



- 1. Check latest software/driver release for updates on supported security features.
- 2. Maximum output power may vary by country according to local regulations.
- 3. Receiver sensitivity is measured at a packet error rate of 8% for 802.11b (CKK modulation) and a packet error rate of 10% for 802.11a/g (OFDM modulation).

Bluetooth Specification

V4.0 High Speed, V2.1+EDR, backwards compatible with V1.1, 1.2 and 2.0

Number of Available

79 (1 MHz) available channels

Channels

Data Rates and

3 Mbps data rate; throughput up to 2.17 Mbps

Throughput

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 -6 dBm to 4 dBm (Bluetooth Class II)

Receiver Sensitivity Better than -80 dBM at 0.1 % raw bit error rate

Power Consumption Peak (Tx) 330 mW

> Peak (Rx) 230 mW Sleep <17 mW

Internally integrated within module **Antenna**

Range Up to 33 ft (10 m) **Electrical Interface** USB 2.0 compliant

Microsoft Windows Plug and Play compliant

Bluetooth Software Broadcom Bluetooth for Windows Supported 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 Generic Access Profile (GAP) Supported

Service Discovery Application Profile (SDAP)

Serial Port Profile (SPP)

Dial Up Networking Profile (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)

Generic Audio/Video Distribution Profile (GAVDP) Advanced Audio/Video Distribution Profile (A2DP)

FAX Profile (FAX)

Basic Imaging Profile (BIP) Headset Profile (HSP)



Hands Free Profile (HFP)
Basic Printing Profile (BPP)
VDP (Video Distribution Profile)

AVRCP (Audio Video Remote Control Profile)

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

Atheros 802.11 b/g/n (1x1)* Wireless LAN Standards IEEE 802.11b

IEEE 802.11g IEEE 802.11n

Wi-Fi certified

Interoperability Wi-Fi ce Frequency Band 2.4 GHz

Data Rates 802.11b: 1, 2, 5.5, 11 Mbps

802.11g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps

802.11n: many possible data rates, ranging from 6 Mbps to 300 Mbps, depending on the combination of Bandwidth, Modulation Coding Scheme, and Guard Interval used, as defined in IEEE 802.11n specification

Modulation Direct Sequence Spread Spectrum

DBPSK, DQPSK, CCK, OFDM, BPSK, QPSK, 16-QAM, 64-QAM

Security¹ Supports 64- and 128-bit WEP, WPA, WPA2, hardware-accelerated AES,

802.1x authentication types EAP-TLS, EAP-TTLS, PEAP-GTC, PEAP-

MSCHAPv2, LEAP, EAP-FAST.

Sub-channels Multinational support with frequency bands and channels compliant to

local regulations.

Media Access Protocol CSMA/CA (Collision Avoidance) with ACK

Network Architecture Ad-hoc (Peer to Peer)

Madala

ModelsInfrastructure (Access Point Required)RoamingIEEE 802.11 compliant roaming between access points

Output Power² 13.5 dBm, nominal
Power Consumption Transmit: 2.0 W (max)

Receive: 1.6 W (max)

Associated to Access Point, Idle: 250 mW nominal

Wireless Button Off: 100 mW nominal Radio disabled: 75 mW nominal

Power Management ACPI compliant power management

802.11 compliant power saving mode

Receiver Sensitivity³ 72.2 Mbps: -70 dbm, 54 Mbps: -74 dBm, 11 Mbps: -88 dBm , 1 Mbps: -95

aBm

Antenna Connections High efficiency antenna with spatial diversity, mounted in the display

enclosure

Form Factor PCI-Express Half-MiniCard 1.2

Weight 0.013 lb (6 g)

Dimensions 0.19 x 1.06 x 1.18 in (4.75 x 26.8 x 30 mm)

Operating Voltage 3.3v +/- 9%

Temperature Operating 14° to 158° F (-10° to 70° C)



HP EliteBook 725 G2 Notebook PC HP EliteBook 745 G2 Notebook PC HP EliteBook 755 G2 Notebook PC

Technical Specifications

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)

LED Activity LED Off - Radio OFF; Solid LED On - Radio ON

1. Check latest software/driver release for updates on supported security features.

2. Maximum output power may vary by country according to local regulations.

3. Receiver sensitivity is measured at a packet error rate of 8% for 802.11b (CKK modulation) and a packet error rate of 10% for 802.11a/q (OFDM modulation).

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

AUDIO/MULTIMEDIA - DTS SOUND+

Hardware Implementation IDT 92HD91

Function Key Volume

Controls

Volume up, volume down, and mute

Full Duplex Yes
Microphone In Stereo
Headphone/Line Out Stereo

Integrated Microphone Yes, dual digital microphone array when equipped with optional webcam

Audio Output Quality Frequency Response 20 Hz - 20 kHz

Signal to Noise Ratio >85 dB
Total Harmonic 0.01%

Distortion

Noise Floor -110 dB

Play/Record Sampling 8 kHz

Rate(s)

8 kHz – 48kHz

DAC 16, 20 or 24-bit **ADC** 16 or 20-bit

Integrated Stereo Speakers Power Rating 2 Watts
Impedance 4 Ohms

Power

HP 45W Slim Smart AC Adapter non-slim **Dimensions** (H x W x D)

95.0 x 40.0 x 26.5mm

Input 90 to 265 VAC

Input Efficiency 88% min at 115 VAC / 89% min at 230VAC

Input frequency range 47 to 63 Hz

Input AC current 1.4 A at 90 VAC and maximum load



HP EliteBook 725 G2 Notebook PC HP EliteBook 745 G2 Notebook PC HP EliteBook 755 G2 Notebook PC

Technical Specifications

Output Output power 45W

DC output 19.5V

Hold-up time 5 msec at 115 VAC input

Output current limit <8A, Over voltage protection- 29V max

automatic shutdown

Connector 3 pin/grounded, mates with 4.5mm barrel type Smart ID DC connector

Environmental Design Operating 32° to 95° F (0° to 35° C)

temperature

Non-operating (storage) -4° to 121° F (-20° to 85° C)

temperature

Altitude 0 to 16,405 ft (0 to 5,000 m)

Humidity 0% to 95% **Storage Humidity** 0% to 95%

EMI and SafetyCertifications
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; Reliability - failure rate of less than 0.1% annually within

the first three years of operation.

HP 65W EM Smart AC Adapter **Dimensions** 4.98 x 1.97 x 1.18 in (12.65 x 5.0 x 3.0 cm)

 Weight
 0.62 lb (290 g) max

 Input
 90 to 265 VAC

Input Efficiency 87% min at 115 VAC

Input frequency range 47 to 63 Hz
Input AC current 1.7 A at 90 VAC

Output Output power 65W

DC output 19.5V

Hold-up time 5 msec at 115 VAC input

Output current limit <11A, Over voltage protection- 29V max

automatic shutdown

Connector 3 pin/grounded, mates with interchangeable cords

Environmental Design Operating 32° to 95° F (0° to 35° C)

temperature

Non-operating (storage) -4° to 185° F (-20° to 85° C)

temperature

Altitude 0 to 10,000 ft (0 to 3,048 m)

Humidity 20% to 95% **Storage Humidity** 10% to 95%

EMI and Safety CE Mark - full compliance with LVD and EMC directives; Worldwide safety Certifications standards - IEC60950, EN60950, UI 60950, Class 1, SELV: Agency approval

standards - IEC60950, EN60950, UL60950, Class 1, SELV; Agency approvals - C-UL-US, NORDICS, DENAN, EN55022 Class B, FCC Class B, CISPR22 Class B, CCC, NOM 1 NVCE; MTRE, over 200,000 hours at 35°C ambient condition.

CCC, NOM-1 NYCE; MTBF - over 200,000 hours at 25°C ambient condition.

HP 65W Slim Smart AC Dimensions 120.0 x 57.6 x 16.7 mm



HP EliteBook 725 G2 Notebook PC HP EliteBook 745 G2 Notebook PC HP EliteBook 755 G2 Notebook PC

Technical Specifications

Adapter Weight 250 q

Input 90 to 265 VAC

Input Efficiency 88% min at 115 VAC / 89% min at 230VAC

Input frequency range 47 to 63 Hz
Input AC current 1.7 A at 90 VAC

Output Output power 65W

DC output 18.5V

Hold-up time 5 msec at 115 VAC input

Output current limit <11A, Over voltage protection- 29V max

automatic shutdown

Connector 3 pin/grounded, mates with interchangeable cords

Environmental Design Operating 32° to 104° F (0° to 40° C)

temperature

Non-operating (storage) -4° to 149° F (-20° to 65° C)

temperature

Altitude 0 to 10,000 ft (0 to 3,048 m)

Humidity 20% to 80% **Storage Humidity** 10% to 90%

EMI and Safety Certifications CE Mark - full compliance with LVD and EMC directives; Worldwide safety standards - IEC60950, EN60950, UL60950, Class 1, SELV; Agency approvals - C-UL-US, NORDICS, DENAN, EN55022 Class B, FCC Class B, CISPR22 Class B, CCC, NOM-1 NYCE; MTBF - over 200,000 hours at 25°C ambient condition.

3-cell HP Long Life (24WHr) Lithium-Ion Polymer **Dimensions** $(H \times W \times L)$

0.85 x 1.76 x 10.59 in (2.16 x 4.46 x 26.9cm)

Weight 169.3 g

Cells/Type 3-cell Lithium-Ion Polymer

Energy Voltage 11.1

Amp-hour capacity 4.4Ah Watt-hour capacity 24Wh

Temperature Operating (Charging) 32° to 113° F (0° to 45° C)

Operating (Discharging) 14° to 122° F(-10° to 50° C) Non-operating -4° to 122° F (-20° to 50° C)

Fuel Gauge LED No

Warranty 1 year or 3 years*

*Battery warranty depends on the platform warranty.

Optional Travel Battery

Available

Nο

3-cell HP Long Life (26WHr) Lithium-Ion Polymer Dimensions $(H \times W \times L)$

0.85 x 1.76 x 10.59 in (2.16 x 4.46 x 26.9 cm)

Weight 168.5 g

Cells/Type 3-cell Lithium-Ion Polymer

Energy Voltage 11.1

Amp-hour capacity 4.4Ah



Watt-hour capacity 26.3Wh

Temperature Operating (Charging) 32° to 113° F (0° to 45° C)

> Operating (Discharging) 14° to 122° F(-10° to 50° C)

> -4° to 122° F (-20° to 50° C) Non-operating

Fuel Gauge LED No

Warranty 1 year or 3 years*

*Battery warranty depends on the platform warranty.

Optional Travel Battery

Available

Dimensions (H x W x L) 0.85 x 1.76 x 10.59 in (2.16 x 4.46 x 26.9cm)

Weight 259 q

Cells/Type 3-cell Lithium-Ion Polymer

Energy Voltage 11.1

> Amp-hour capacity 4.4Ah 46Wh Watt-hour capacity

Temperature Operating (Charging) 32° to 113° F (0° to 45° C)

> Operating (Discharging) 14° to 122° F(-10° to 50° C)

> Non-operating -4° to 122° F (-20° to 50° C)

Fuel Gauge LED No

Warranty 1 year or 3 years*

*Battery warranty depends on the platform warranty.

Optional Travel Battery

Available

3-cell HP Long Life (50WHr) Lithium-Ion **Polymer**

3-cell HP Long Life

Polymer

(46WHr) Lithium-Ion

Dimensions $(H \times W \times L)$ 0.85 x 1.76 x 10.59 in (2.16 x 4.46 x 26.9 cm)

Weight 262 a

Cells/Type 3-cell Lithium-Ion Polymer Energy Voltage 11.1

Amp-hour capacity 4.4Ah 50Wh

Watt-hour capacity **Temperature** Operating (Charging) 32° to 113° F (0° to 45° C)

Operating (Discharging) 14° to 122° F(-10° to 50° C)

-4° to 122° F (-20° to 50° C) Non-operating

Fuel Gauge LED No

Warranty 1 year or 3 years*

*Battery warranty depends on the platform warranty.

Optional Travel Battery

Available

No

HP 6-cell Lithium-Ion Long Dimensions Life Slice Battery (60 WHr) (h x w x l)

0.28 x 12.6 x 8.39in (0.7 x 32 x 21.3 cm)



Weight 1.72 lb (0.78 kg)
Cells/Type 6-cell Lithium-Ion

Energy Voltage 11.4V
Amp-hour capacity 5.4Ah
Watt-hour capacity 60Wh

Temperature Operating (Charging) 32° to 113° F (0° to 45° C)

 Operating (Discharging)
 14° to 122° F(-10° to 50° C)

 Non-operating
 -4° to 122° F (-20° to 50° C)

Battery System in OFF or* 3.5 to 5 hours

Re-Charge Time Standby Mode

System ON* 4 to 7 hours

Fuel Gauge LED No Optional Travel Battery No

44=1146 4611

Available

• 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.

ENVIRONMENTAL

HP EliteBook 725 G2 Notebook PC

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

System Configuration

115VAC, 60Hz	230VAC, 50Hz	100VAC, 60Hz
12.09 W	12.06 W	11.86 W
7.37 W	7.43 W	7.45 W
1.1 W	1.14 W	1.11 W
0.21 W	0.3 W	0.21 W
	7.37 W 1.1 W	12.09 W 12.06 W 7.37 W 7.43 W 1.1 W 1.14 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



Technical Specifications

Microsoft Windows® operating system.

Heat Dissipation*	115VAC, 60Hz	230VAC, 50Hz	100VAC, 60Hz
Normal Operation	41 BTU/hr	41 BTU/hr	xxx BTU/hr
(Short idle)			
Normal Operation	25 BTU/hr	25 BTU/hr	25 BTU/hr
(Long idle)			
Sleep	4 BTU/hr	4 BTU/hr	4 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	Sound Power	Sound Pressure
Emissions	(L _{WAd} , bels)	(L _{pAm} , decibels)
(in accordance with		
ISO 7779 and ISO 9296)		
Typically Configured –	3	25
Idle		
Fixed Disk – Random	3.2	28
writes		

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 ExpressCard/54 slot
- 1 IEEE 1394 Port
- 2 SODIMM memory slots
- · 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 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 0% post-consumer recycled plastic (by wt.)
- This product is 96.6% recycle-able when properly disposed of at end of life.

Packaging Materials External: PAPER/Corrugated 372 g

Internal: PLASTIC/EPE (Expanded Polyethylene) 43.7 g

PLASTIC/Polyethylene low density 26 g

The plastic packaging material contains at least 50% recycled content.

The corrugated paper packaging materials contains at least 70% recycled content.

HP EliteBook 745 G2 Notebook PC

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)

method)	115VAC, 60Hz	230VAC, 50Hz	100VAC, 60Hz
Normal Operation	13.01 W	13.33 W	13.12 W
(Short idle)			
Normal Operation	9.78 W	9.83 W	9.86 W
(Long idle)			
Sleep	0.82 W	0.84 W	0.81 W
Off	0.23 W	0.25 W	0.23 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	44 BTU/hr	46 BTU/hr	45 BTU/hr
idle)			
Normal Operation (Long	33 BTU/hr	34 BTU/hr	34 BTU/hr
idle)			
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	Sound Power	Sound Pressure
Emissions	(L _{WAd} , bels)	(L _{pAm} , decibels)
(in accordance with		
ISO 7779 and ISO 9296)		
Typically Configured –	3.4	21
Idle		
Fixed Disk – Random	4.0	26
writes		

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 ExpressCard/54 slot
- 1 IEEE 1394 Port
- 2 SODIMM memory slots
- · 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 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:



100VAC COU-

Technical Specifications

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 0% post-consumer recycled plastic (by wt.)
- This product is 97.3% recycle-able when properly disposed of at end of life.

Packaging MaterialsExternal:PAPER/Corrugated405 gInternal:PLASTIC/EPE (Expanded Polyethylene)45 g

PLASTIC/Polyethylene low density 26 g

The plastic packaging material contains at least 50% recycled content.

The corrugated paper packaging materials contains at least 70% recycled content.

SOUNC EUR-

HP EliteBook 755 G2 Notebook PC

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)

ilietilou/	i i SVAC, OUIIZ	ZJUVAC, JUIIZ	IUUVAC, UUIIZ
Normal Operation	13.4 W	13.31 W	13.41 W
(Short idle)			
Normal Operation	8.63 W	8.73 W	8.68 W
(Long idle)			
Sleep	0.65 W	0.71 W	0.68 W
Off	0.24 W	0.29 W	0.29 W

Note:

11EVAC COU-

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)	46 BTU/hr	46 BTU/hr	46 BTU/hr
Normal Operation (Long idle)	30 BTU/hr	30 BTU/hr	30 BTU/hr
Sleep	2 BTU/hr	2 BTU/hr	2 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	Sound Power	Sound Pressure
Emissions	(L _{WAd} , bels)	(L _{pAm} , decibels)
(in accordance with		
ISO 7779 and ISO 9296)		
Typically Configured –	3.4	26
Idle		
Fixed Disk – Random	4	27
writes		

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 ExpressCard/54 slot
- 1 IEEE 1394 Port
- 2 SODIMM memory slots
- · 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 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:



HP EliteBook 725 G2 Notebook PC HP EliteBook 745 G2 Notebook PC HP EliteBook 755 G2 Notebook PC

Technical Specifications

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 0% post-consumer recycled plastic (by wt.)
- This product is 97.5% recycle-able when properly disposed of at end of life.

Packaging Materials	External:	PAPER/Corrugated	475 g
	Internal:	PLASTIC/EPE (Expanded Polyethylene)	47 g

PLASTIC/Polyethylene low density 26 g

The plastic packaging material contains at least 50% recycled content.

The corrugated paper packaging materials contains at least 70% recycled content.

All models

Eco-Label Certifications These products has received or is in the process of being certified to the following approvals and may be **& declarations** 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.

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



HP EliteBook 725 G2 Notebook PC HP EliteBook 745 G2 Notebook PC HP EliteBook 755 G2 Notebook PC

Technical Specifications

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 quidelines 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.

and Recycling

End-of-life Management 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

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

Information

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

http://www.hp.com/hpinfo/globalcitizenship/environment/pdf/cert.pdf



HP EliteBook 725 G2 Notebook PC HP EliteBook 745 G2 Notebook PC HP EliteBook 755 G2 Notebook PC

Technical Specifications

Country of Origin

TBD



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

Type	Description	Part #
Cases	HP Essential Top Load Case (up to 15.6")	H2W17AA#xxx
	HP Essential Backpack (up to 15.6")	H1D24AA
	HP Essential Messenger Case (up to 17.3")	H1D25AA
	HP Business Top Load (EliteBook 745 and 755 only)	H5M92AA
	HP Professional Top Load (EliteBook 745 and 755 only)	H4J90AA
Docking	HP 2013 UltraSlim Docking Station	D9Y32AA#xxx
Input/Output – Mice	HP Comfort Grip Wireless Mouse	H2L63AA
	HP 3-button USB Laser Mouse	H4B81AA
	HP USB Optical Travel mouse	RH304AA
Input/Output – Adapters	HP DP to HDMI 1.4 Adapter	F3W43AA
Adapters	HP 45W Smart AC Adapter 4.5mm	H6Y88AA#xxx
Batteries	HP BA06XL Notebook Battery (Slice) (EliteBook 745 only)	H4Q48AA
	HP CO06XL Notebook Battery (Slice) (EliteBook 745 only)	E7U23AA
	HP CM03XL Notebook Battery (EliteBook 745 and 755 only)	E7U24AA
	HP SB03XL Notebook Battery (EliteBook 725 only)	E7U25AA
Security	HP Docking Station Cable Lock	AU656AA#xxx
	HP UltraSlim Keyed Cable Lock	H4D73AA
Monitors	HP EliteDisplay E271i 27-inch IPS LED Monitor	D7Z72AA/A8/AS/AT
	HP EliteDisplay E231 23-inch LED Monitor	C9V75AA/A8/AS/AT
	HP EliteDisplay E201 20-inch LED Monitor	C9V73AA/A8/AS/AT
	HP ProDisplay P221 21.5" LED Monitor	C9E49AA/A8/AS/AT
	HP ProDisplay P201 20" LED Monitor	C9F26AA/A8/AS/AT

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Summary of Changes

Date of change:	Version History:		Description of change:
May 21, 2014	From v May 20 to v May 21	Added	G2 to product name (long)
June 5, 2014	From vMay 21 to vJune 6	Added	745 G2 Environmental specs
June 9, 2014	From vJune 6 to vJune 9	Added	725 G2,755 G2environmental specs
June 26, 2014	From v3 to v4	Added	Options
July 2, 2014	From v4 to v5	Changed	Weight specs
August 26, 2014	From v5 to v6	Added	Display details
September 3, 2014	From v6 to v7	Removed	1 PC card slot (type I/II)
October 13, 2014	From v7 to v8	Changed	3-cell battery specs
October 14, 2014	From v7 to v8	Added	12.5" display details
		Removed	Available October 2014 Disclaimers
October 29, 2014	From v8 to v9	Removed	Windows 7 Home, Windows 7 Home Premium and Windows 7 Ultimate from OPERATIVE SYSTEMS

