

Features

OPERATING SYSTEM

Preinstalled	Windows 8 Pro 64* Windows 7 Professional (available through downgrade rights from Windows 8 Pro)** Windows 8 64* Windows 7 Professional 32*** Windows 7 Professional 64*** Windows 7 Home Premium 32*** Windows 7 Home Premium 64*** Windows 7 Home Basic 32*** (select countries) FreeDOS
Supported	Windows 8 Pro 32* Windows 8 32* Windows 8 Enterprise 32* Windows 8 Enterprise 64* Windows 7 Enterprise 32*** Windows 7 Enterprise 64*** Windows 7 Ultimate 32*** Windows 7 Ultimate 64*** Windows XP Professional 32
Certified	SUSE Linux Enterprise Desktop 11

* Not all features are available in all editions of Windows 8. Systems may require upgraded and/or separately purchased hardware, drivers and/or software to take full advantage of Windows 8 functionality. See <http://www.microsoft.com> for details.

** This system is preinstalled with Windows® 7 Pro software and also comes with a license and media for Windows 8 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.

PROCESSOR

3rd Generation Intel® Core™ i7-3740QM (2.70 GHz, 6 MB L3 cache, 45W, 4 cores)*

Up to 3.70 GHz with Intel Turbo Boost Technology

3rd Generation Intel® Core™ i7-3720QM (2.60 GHz, 6 MB L3 cache, 45W, 4 cores)*

Up to 3.60 GHz with Intel Turbo Boost Technology

3rd Generation Intel® Core™ i7-3630QM (2.40 GHz, 6 MB L3 cache, 45W, 4 cores)*†

Up to 3.40 GHz with Intel Turbo Boost Technology

3rd Generation Intel® Core™ i7-3610QM (2.30 GHz, 6 MB L3 cache, 45W, 4 cores)*†

Up to 3.30 GHz with Intel Turbo Boost Technology

3rd Generation Intel® Core™ i7-3540M (3.0 GHz, 4 MB L3 cache, 35W, 2 cores)*

Up to 3.70 GHz with Intel Turbo Boost Technology

3rd Generation Intel® Core™ i7-3520M (2.90 GHz, 4 MB L3 cache, 35W, 2 cores)*

Up to 3.60 GHz with Intel Turbo Boost Technology

3rd Generation Intel® Core™ i5-3380M (2.90 GHz, 3 MB L3 cache, 35W, 2 cores)*

Up to 3.60 GHz with Intel Turbo Boost Technology

3rd Generation Intel® Core™ i5-3360M (2.80 GHz, 3 MB L3 cache, 35W, 2 cores)*

Up to 3.50 GHz with Intel Turbo Boost Technology

3rd Generation Intel® Core™ i5-3340M (2.70 GHz, 3 MB L3 cache, 35W, 2 cores)*



Features

- Up to 3.40 GHz with Intel Turbo Boost Technology
3rd Generation Intel® Core™ i5-3320M (2.60 GHz, 3 MB L3 cache, 35W, 2 cores)*
- Up to 3.30 GHz with Intel Turbo Boost Technology
3rd Generation Intel® Core™ i5-3230M (2.60 GHz, 3 MB L3 cache, 35W, 2 cores)*†
- Up to 3.20 GHz with Intel Turbo Boost Technology
3rd Generation Intel® Core™ i5-3210M (2.50 GHz, 3 MB L3 cache, 35W, 2 cores)*†
- Up to 3.10 GHz with Intel Turbo Boost Technology
3rd Generation Intel® Core™ i3-3130M (2.60 GHz, 3 MB L3 cache, 35W, 2 cores)*†
- 3rd Generation Intel® Core™ i3-3120M (2.50 GHz, 3 MB L3 cache, 35W, 2 cores)*†
- 3rd Generation Intel® Core™ i3-3110M (2.40 GHz, 3 MB L3 cache, 35W, 2 cores)*†

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

† Not available with vPro

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

CHIPSET

Mobile Intel QM77 Express (vPro support)

INTEL CORE I5 WITH VPRO/CORE I7 WITH VPRO TECHNOLOGY CAPABLE

Intel Core i5 with vPro and Core i7 with vPro technology is a selectable feature that is available on units configured with select processors, an Intel Centrino® Advanced-N or Ultimate-N WLAN module and a preinstalled Windows operating system. It provides advances in remote manageability, security, energy efficient performance, and wireless connectivity. Intel Active Management Technology 8.0 (iAMT) offers built-in manageability and proactive security for networked notebook PCs, even when they are powered off* or when the operating system is inoperable. It can help identify threats before they reach the network, isolate infected systems, and update PCs regardless of their power state.

*Requires a Windows operating system, network hardware and software, connection with a power source, and a direct (non-VPN) corporate network connection which is either cable or wireless LAN.

NOTE: Some functionality of Intel Core i5 with vPro/Core i7 with vPro technology, such as Intel Active Management technology and Intel Virtualization technology, requires additional third-party software in order to run. Availability of future "virtual appliances" applications for Intel Core i5 with vPro/Core i7 with vPro technology is dependent on third-party software providers. Compatibility with future "virtual appliances" is yet to be determined.

GRAPHICS

Integrated:

Intel HD Graphics 4000

Microsoft® DirectX®, OpenGL 3.1, OpenCL 1.1, and CUI 4.0

Discrete:

AMD Radeon™ HD 7570M, with 1 GB dedicated GDDR5 video memory

Microsoft® DirectX® 11 with Shader Model 5.0 and support for OpenGL 4.1.

Features

DISPLAY

HP EliteBook 8470p:

Internal

14.0" diagonal LED-backlit HD 16:9 widescreen anti-glare (1366 x 768)

14.0" diagonal LED-backlit HD+ 16:9 widescreen anti-glare (1600 x 900)

HP Privacy Filter support

External

Up to 32-bit per pixel color depth

DisplayPort

Supports resolutions up to 2560 x 1600, 30-bit color depth at 60 Hz, and full HD (1920 x 1080) monitors, 24-bit color depth at 120 Hz

VGA

Port supports resolutions up to 2048 x 1536 at 75 Hz, and lower resolutions at up to 100 Hz

DVI-D (single link)

Video signal available through DVI port in optional HP Docking Station (sold separately)

supports resolutions up to 1600 x 1200 at both full and reduced blanking, and 1920 x 1200 at reduced blanking

HP EliteBook 8570p:

Internal

15.6" diagonal LED-backlit HD 16:9 anti-glare (1366 x 768)

15.6" diagonal LED-backlit HD+ 16:9 WVA anti-glare (1600 x 900)

15.6" diagonal LED-backlit FHD WVA anti-glare (1920 x 1080)

HP Privacy Filter support

External

Up to 32-bit per pixel color depth

DisplayPort

Supports resolutions up to 2560 x 1600, 30-bit color depth at 60 Hz, and full HD (1920 x 1080) monitors, 24-bit color depth at 120 Hz

VGA

Port supports resolutions up to 2048 x 1536 at 75 Hz, and lower resolutions at up to 100 Hz

DVI-D (single link)

Video signal available through DVI port in optional HP Docking Station (sold separately)

supports resolutions up to 1600 x 1200 at both full and reduced blanking, and 1920 x 1200 at reduced blanking

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

Features

STORAGE AND DRIVES

Primary Storage Bay

Hard Drives

320/500/750 GB 7200 rpm SMART SATA II

500 GB 7200 rpm SMART SATA II Self Encrypting 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.

Solid State Drive

SATA 6 Gb/s 128 GB Solid State

SATA 6 Gb/s 180 GB Solid State

SATA 6 Gb/s 240 GB Solid State

SATA 6 Gb/s 256 GB SED Solid State

NOTE: For hard drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 16GB (for Windows 7) of system and up to 30 GB (for Windows 8) disk is reserved for system recovery software."

OPTICAL DRIVES

Fixed 12.7 mm SATA optical drive

Blu-ray ROM DVD+/-RW SuperMulti DL Drive

DVD+/-RW SuperMulti DL Drive

DVD-ROM Drive

Second hard drive

500 GB 7200 rpm SMART SATA II Hard Drive

Weight saver

MEMORY

Standard

DDR3 PC3-12800 SDRAM (1600 MHz)

Two SODIMM slots supporting dual-channel memory

Standard memory up to 8192 MB (2 GB, 4 GB, and 8 GB SODIMMs)

Maximum

16384 MB

Dual-channel

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

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. With Windows Starter 32-bit operating systems, the amount of usable memory is dependent upon your configuration, so that above 3 GB all memory may not be available due to system resource requirements.

Features

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) requires a Windows operating system and 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) (Win 8 WWAN support will not be available at Win 8 introduction)

HP hs2350 HSPA+ Mobile Broadband Module

HP un2430 EV-DO/HSPA Mobile Broadband Module

HP lt2522 LTE/EV-DO Mobile Broadband Module - U.S. only* (no Win 8 support)

HP lt2523 LTE/HSPA+ Mobile Broadband Module - U.S. only* (no Win 8 support)

Integrated wireless LAN options

Intel Centrino Ultimate-N 6300 802.11a/b/g/n (3x3)

Intel Centrino Advanced-N 6205 802.11a/b/g/n (2x2)

Broadcom BCM943228HM4L 802.11 a/b/g/n WiFi Adapter (2x2)

Atheros AR9485 802.11 b/g/n WiFi Adapter (1x1)

HP Integrated Module with Bluetooth 4.0+ EDR Wireless Technology

Communications

Integrated Intel 82579LM Gigabit** Network Connection (vPro configurations)

56K V.92 modem***

* Wireless use requires separately purchased service contract. Check with your local vendor for coverage area and availability in your area. Connection and speeds will vary due to location, environment, network conditions, and other factors. 4G compatibility with HSPA+ and LTE. 4G LTE is only available in the United States and requires Windows 7.

** 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.

*** Designed for downloads from 56K modem compliant sources. Maximum achievable download transmission rates currently do not reach 56 KB/s, and will vary with line conditions. Modem availability is subject to country regulatory approval.

AUDIO/MULTIMEDIA

Audio

SRS Premium Sound PRO™

Integrated stereo speakers

Integrated dual-microphone array

Button for volume mute; function keys for volume up and down

Stereo headphone port

Stereo microphone port

Webcam

Optional 720p HD webcam

- HD format (widescreen)
- Supports videoconferencing 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

Features

- Improved low light sensitivity
- Improved dynamic range

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 a drain system that funnels fluid through a hole in the bottom of the notebook. This minimizes the risk of damage to sensitive components underneath. The 101/102-key compatible keyboard features a full-pitch key layout with desktop keyboard features, such as the isolated inverted-T cursor control keys, editing keys, both left and right control and alt keys, 12 function keys, and 19.05 x 19.05 mm key pitch (center-to-center spacing). U.S. and International key layouts are available. Other features include hot keys for instant access to power conservation and brightness. The HP EliteBook 8570p includes a separate numeric keypad.

Pointing Devices

Touchpad with on/off button, two-way scroll, gestures, two pick buttons

Pointstick with two additional pointstick buttons (for a total of four)

Buttons and Function Keys

Discrete buttons provide easy access to the following features: wireless on/off, Web browser, and volume mute. The HP EliteBook 8570p also features a calculator button. Function keys provide control of the following features: standby mode, external display, volume down, volume up, HP Power Assistant (Windows 7 only), and display brightness.

SOFTWARE AND SECURITY

Preinstalled Software with Windows Operating System

HP Connection Manager (Windows 7 only)

HP Hotkey Support

HP Peak Power Manager (web download)*

HP Power Assistant (Windows 7 only)

HP ProtectTools for Central Management

HP ProtectTools Security Manager

HP Recovery Manager

HP Support Assistant

HP Webcam Software (select models)

HP Wireless Hotspot (Windows 8 only, web download)

Adobe Flash Player (Windows 7 only)

Buy Office

Cyberlink Media Suite for Win 8

Microsoft Defender (now includes MS Security Essentials)

Corel WinDVD (select Windows 7 models)

Microsoft Security Essentials (Windows 7 only)

PDF Complete Corporate Edition

Roxio MyDVD Business 2010 (select Windows 7 models)

Roxio Secure Burn (select Windows 7 models)

Skype-ready**

WinZip Basic (Windows 7 only)

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 16GB (for Windows 7) of system and up to 30 GB (for Windows 8) disk is reserved for system recovery software. Support in Windows Operating System only.

Features

* HP Peak Power Manager replaces HP Power Assistant for both Win7 and Win8. HP Peak Power Manager will be available on the web for download for existing product owners.

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

Security

Standard

HP Client Security Dashboard (Windows 8 only)
HP ProtectTools
HP Spare Key (requires initial user setup)
Central Management for HP ProtectTools
Credential Manager for HP ProtectTools
Drive Encryption (will be web-only ready at Win8 GA date)
Enhanced Pre-Boot Security
Face Recognition
File Sanitizer for HP ProtectTools (Windows 7 only)
Microsoft Defender (now includes MS Security Essentials)
Microsoft Security Essentials (Windows 7 only)
TPM Embedded Security Chip 1.2
Smart Card Reader
Security lock slot

Optional

Computrace (requires a subscription)
Intel Anti-Theft Technology (requires a Computrace subscription)
HP Fingerprint Sensor
HP Privacy Filter

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

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

POWER

Power Supply

Models with discrete graphics and models with integrated graphics with quad-core processor:

External 90W HP Smart AC Adapter

Models with integrated graphics with dual-core processor:

External 65W HP Smart AC Adapter

Power cord included is 6-foot (1.8 meter).

Total length including external AC adapter is 12 feet (3.66 meter).

HP Fast Charge (not supported on 9-cell primary or secondary batteries)

Primary Battery

HP 9-cell Lithium-Ion Battery (100 WHr)

HP 6-cell Lithium-Ion Battery (62 WHr)

HP 6-cell HP Long Life Lithium-Ion Battery (55 WHr)

HP 3-cell Lithium-Ion Battery (31 WHr)

Secondary Battery

HP Extended Life Notebook Battery (9-cell /73 WHr)

Features

HP Ultra Extended Life Notebook Battery (9-cell /100 WHr)

Battery Life*

HP EliteBook 8470p**

9-cell (100 WHr) Up to 14 hours and 15 minutes

6-cell (62 WHr) Up to 9 hours and 15 minutes

with optional HP ST09 Extended Life Notebook Battery Up to 20 hours and 30 minutes

with optional HP BB09 Ultra Extended Life Notebook Battery Up to 24 hours and 15 minutes

3-cell (31 WHr) Up to 4 hours and 15 minutes

HP EliteBook 8570p**

9-cell (100 WHr) Up to 13 hours and 30 minutes

6-cell (62 WHr) Up to 8 hours and 15 minutes

with optional HP ST09 Extended Life Notebook Battery Up to 18 hours and 45 minutes

with optional HP BB09 Ultra Extended Life Notebook Battery Up to 22 hours and 15 minutes

3-cell (31 WHr) Up to 4 hours

System Standby Time

Up to 30 days

*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. See MobileMark07 battery benchmark <http://www.bapco.com/products/mobilemark2007> for additional details.

** Configurations with integrated graphics.

NOTE: Fast Charge recharges your battery up to 90% within 90 minutes when the system is off. Please note that 9-cell batteries do not support Fast Charge.

Power Conservation

AMD PowerPlay technology (models with discrete graphics)

Hibernation

Standby

ACPI compliance

Features

ENVIRONMENTAL

ENERGY STAR qualified (with Microsoft OS)

IT ECO Declaration

EPEAT Gold where HP registers commercial notebook products. See <http://www.epeat.net> for registration status in your country.

NOTE: 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.

WEIGHTS & DIMENSIONS

8470p

Weight

Starting at 4.56 lb (2.07 kg) without optical drive

Starting at 4.95 lb (2.25 kg) with DVD-ROM drive

Dimensions (w x d x h)

13.31 x 9.11 x 1.25 in (at front)

33.8 x 23.1 x 3.4 cm (at front)

8570p

Weight

Starting at 5.75 lb/2.61 kg (3-cell with weight saver)

Starting at 5.97 lb/2.71 kg (3-cell with optical drive)

Dimensions (w x d x h)

14.72 x 9.86 x 1.34 in (at front)

37.4 x 25.1 x 3.4 cm (at front)

NOTE: Height varies depending upon where on the notebook the measurement is made. Weight varies by configuration and components.

PORTS/SLOTS

Ports

8470p

VGA – One

DisplayPort – One (UMA: v1.1a; discrete: v1.2)

Stereo microphone port – One

Stereo headphone port – One

Power Connector – One

Secondary Battery Connector – One

Docking Connector – One

RJ-45 (Ethernet) – One

RJ-11 (Modem) – One

1394a – One

USB 3.0 – Two

USB 2.0 charging port – One

eSATA/USB 2.0 combo port – One

8570p

VGA – One

DisplayPort – One (UMA: v1.1a; discrete: v1.2)

Features

Stereo microphone port – One
Stereo headphone port – One
Power Connector – One
Secondary Battery Connector – One
Docking Connector – One
RJ-45 (Ethernet) – One
RJ-11 (Modem) – One
1394a – One
USB 3.0 – Two
USB 2.0 – One
USB 2.0 charging port – One
eSATA/USB 2.0 combo port – One
Serial port – One

Digital Media Slots

1 ExpressCard/54 slot
1 SD slot (supported media include: SD, SDHC, SDXC)

SERVICE AND SUPPORT

HP Services offers limited 3 year and 1 year warranty options depending on country; 1-year limited warranty on primary battery; 3-year limited warranty on HP Long Life Battery (only available with 3-year platform warranty). On-site service and warranty upgrades are also available. HP Care Pack Services extend service contracts beyond the standard warranties. To choose the right level of service for your HP product, use the HP Care Pack Services Lookup Tool at: <http://www.hp.com/go/lookuptool>. Additional HP Care Pack Services information by product is available at: <http://www.hp.com/hps/carepack>.

NOTE: Certain restrictions and exclusions apply. Consult the HP Customer Support Center for details.
<http://h20000.www2.hp.com/bizsupport/TechSupport/ProductRoot.jsp>