

HP Business
Notebook PCs
2010 Professional
Innovations



MINI



HP PROBOOK
STANDARD (s)

MOBILITY (m)

BUSINESS (b)



HP ELITEBOOK
PROFESSIONAL/WORKSTATION (p & w)

| | | MINI | | STANDARD (s) | | | | | MOBILITY (m) | BUSINESS (b) | | | | PROFESSIONAL/WORKSTATION (p & w) | | | | | | | | | |
|---|---|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--------------|----------------|----------------|----------------|----------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--------|
| | | 5102 | 2102 | 4320s | 4420s | 4415s | 4520s | 4720s | 5310m | 6440b | 6445b | 6540b | 6545b | 6930p | 8440p | 8440w | 8540p | 8540w | 8740w | 2540p | 2740p | | |
| | | 10.1/Intel | 10.1/Intel | 13.3/Intel | 14/AMD | 14/Intel | 15.6/Intel | 17.3/Intel | 13.3/Intel | 14/Intel | 14/AMD | 15.6/Intel | 15.6/AMD | 14/Intel | 14/Intel | 14/Intel | 15.6/Intel | 15.6/Intel | 17/Intel | 12.1/Intel | 12.1/Tablet | | |
| SECURITY | Drive Encryption for HP ProtectTools | ✓ | — | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | — | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| | Enhanced Pre-Boot Security | — | — | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | — | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| | File Sanitizer for HP ProtectTools ¹ | — | — | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | — | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| | HP Disk Sanitizer ¹ | ✓ | — | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | — | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| | HP ProtectTools Security Manager | ✓ | — | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | — | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| | Computrace for HP ProtectTools ² | ✓ | — | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | — | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| EASE OF USE | HP DreamColor | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | OPTIONAL | OPTIONAL | — | — | |
| | HP Long Life Battery | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | |
| | HP QuickLook 2 or 3 ^{3,4} | 3 ⁴ | — | 3 ⁴ | 3 ⁴ | 2 ³ | 3 ⁴ | 3 ⁴ | 3 ⁴ | — | 3 ⁴ | 3 ⁴ | 3 ⁴ | — | 2 ³ | 3 ⁴ | 3 ⁴ | 3 ⁴ | 3 ⁴ | 3 ⁴ | 3 ⁴ | 3 ⁴ | |
| | HP QuickSync ⁵ | ✓ ⁵ | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | |
| | HP QuickWeb ⁶ | ✓ | — | — | — | — | — | — | ✓ | — | ✓ | ✓ | ✓ | — | — | — | — | — | — | — | — | — | |
| | HP Docking Solutions ⁷ | ✓ ⁷ | ✓ ⁷ | ✓ ⁷ | ✓ ⁷ | ✓ ⁷ | ✓ ⁷ | ✓ ⁷ | ✓ ⁷ | — | ✓ ⁷ | ✓ ⁷ | ✓ ⁷ | — | ✓ ⁷ | ✓ ⁷ | ✓ ⁷ | ✓ ⁷ | ✓ ⁷ | ✓ ⁷ | ✓ ⁷ | ✓ ⁷ | |
| | HP Mobile Broadband | ✓ | ✓ | ✓ | — | — | ✓ | — | ✓ | — | ✓ | ✓ | ✓ | — | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| | HP Mobile Broadband with GPS ⁸ | ✓ | — | ✓ | — | — | ✓ | — | ✓ | — | ✓ | ✓ | ✓ | — | — | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| RELIABILITY | HP 3D DriveGuard (Requires Microsoft Windows ⁹) | ✓ | — | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| | HP DuraCase ⁹ | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | |
| | HP DuraFinish (display cover & palmrest) | — | — | — | — | — | — | — | ✓ | — | ✓ | ✓ | ✓ | — | — | — | — | — | — | — | — | — | |
| | HP DuraFinish (touchpad) ¹⁰ | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | |
| | HP DuraKeys ¹¹ | ✓ | — | — | — | — | — | — | ✓ | — | — | — | — | — | — | — | — | — | — | — | — | — | |
| | HP Total Test Process | — | — | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | — | ✓ | ✓ | ✓ | — | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| RAID (1 - Mirroring & 0 Striping) ¹² | — | — | — | — | — | — | — | — | — | — | — | — | — | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | — | — | |
| ENVIRONMENTAL | HP Power Assistant ¹³ | — | — | ✓ | ✓ | — | ✓ | ✓ | — | ✓ | ✓ | ✓ | ✓ | — | — | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| | ENERGY STAR® qualified (available) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |
| | EPEAT® Gold or Silver registered in US | SILVER | SILVER | GOLD | GOLD | GOLD | GOLD | GOLD | GOLD | GOLD | GOLD | GOLD | GOLD | GOLD | GOLD | GOLD | GOLD | GOLD | GOLD | GOLD | GOLD | GOLD | SILVER |
| | LED-backlit display | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | — | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

1 For the use cases outlined in the DOD 5220.22-M Supplement.
 2 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 from one to five years. Service is limited, check with Absolute Software for service availability outside of North America. For more information, visit www.absolute.com.
 3 HP QuickLook 2 is accessible when the notebook is off or in hibernation from Windows XP or Vista. Timings may vary depending on the system configuration. Internet access required.
 4 HP QuickLook 3 is accessible when the notebook is off and requires Microsoft Windows® based systems and Microsoft Outlook. Timing may vary depending on the system configuration. To enable the feature following the removal of the battery, reboot the notebook prior to subsequent use.
 5 HP QuickSync software is available as a web download on hp.com.
 6 HP QuickWeb is accessible when the notebook is off and requires Microsoft Windows-based systems. Internet access required. Timing may vary depending on the system configuration. To enable the feature following the removal of the battery, reboot the notebook prior to subsequent use. Not available on HP ProBook s-series or most HP Minis.
 7 Notebooks in the b, p and w series offer 2008 or 2009 Basic & Advance docking solutions that are common across notebooks within their generation. The 2500 and 2700 series have unique solutions. All notebooks can use the HP USB 2.0 Docking Solutions. Check specific products for the best available offerings.

8 Wireless use requires separately purchased service contract. Check with your local vendor for coverage area and availability in your area. Limited to mobile network operator coverage areas. Separately purchased mobile network operator service is required. 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.
 9 HP DuraCase includes: Full magnesium alloy chassis, magnesium/aluminum display enclosure, anodized aluminum palm-rest surface, metal alloy hinges and display latch with four-point lock down.
 10 Touchpad protection available only in the Professional and Workstation series models only.
 11 In independent testing conducted by Trace Laboratories, HP DuraKeys showed no wear after 250,000 cycles. Competitor notebooks showed significant wear after only 5,000 cycles.
 12 Requires separately purchased hard drive. If the drives are configured as RAID 0 Striping, then the user can no longer swap. Easily replace your optical with an optional secondary hard drive or upgrade to an optical drive with the Upgrade Bay with Dual HDD Support. Having an optional second hard drive installed allows RAID 1 Mirroring or RAID 0 Striping.
 13 Power calculations and cost calculations are estimates. Results will vary based on variables, which include information provided by the user, time PC is in different power states (on, standby, hibernation, off), time PC is on battery or AC, hardware configuration, variable electricity rates and utilities provider. HP advises customers to use information reported by HP Power Assistant for reference only and to validate impact in their environment. Environmental calculations were based on U.S. EPA eGrid 2007 data found at www.epa.gov/egrid/. Regional results will vary. Requires Microsoft Windows®.

| TERM | DEFINITION |
|---|---|
| Drive Encryption for HP ProtectTools | Encodes every bit of information on a hard drive volume so that it becomes unreadable to an unauthorized person. This feature helps ensure that your sensitive information cannot be accessed if the notebook or hard drive is lost or stolen. |
| Enhanced Pre-Boot Security | Enhances the pre-OS usability by combining security tokens (biometrics, smart cards and passwords) and enables multi-user access. |
| File Sanitizer for HP ProtectTools | Permanently deletes individual files, folders and personally identifiable information from your notebook which could otherwise potentially be used to identify, contact, or locate you for the use cases outlined in the DOD 5220.22-M Supplement. |
| HP Disk Sanitizer | Permanently destroys data on the hard drive in preparation for system disposal/redeployment for the use cases outlined in the DOD 5220.22-M Supplement. Once executed, data cannot be easily recovered even with advanced data recovery tools. It is built-in, OS independent and perfect for equipment recycling, planning for lease expiration, and preparation ahead of a service event. |
| HP ProtectTools Security Manager | Allows easy access to and configuration of integrated HP ProtectTools modules from a single location. Plug-in modular design enables deploying only the needed features. This reduces costs associated with software management and training, and simplifies security policies. |
| Computrace for HP ProtectTools | Allows you to track and recover stolen notebook, delete data remotely, detect unauthorized software or missing hardware and keep up with security regulations. |
| HP DreamColor | Improves color matching from vision to production to easily and automatically enable accurate, consistent color across a variety of devices including display and printer. |
| HP Long Life Battery | Made to last longer, providing the industry's first three year limited warranty and lasting up to twice as long as the industry average. This reduces overall battery waste by requiring fewer batteries to be used over the life/capacity of the notebook. |
| HP QuickLook 2 or 3 | HP QuickLook 2 lets you access your Outlook data in seconds when your notebook is off. With HP QuickLook 3, you can also edit your Outlook data and automatically synchronize with it the next time you start your computer; and you can gain improved security via enhanced user authentication with support for passwords, fingerprints or smart cards. |
| HP QuickSync | The HP QuickSync Software synchronizes e-mails, Internet favorites and files between two PCs and portable storage devices. HP QuickSync software is available as a web download on hp.com. |
| HP QuickWeb | HP QuickWeb lets you access the web in seconds, even when your notebook is shut down. There is no need to wait minutes for your system to boot. You also gain improved security via enhanced user authentication with support for passwords, fingerprints or smart cards. |
| HP Docking Solutions | Enable the efficiency and productivity of a desktop PC, and the comfort of a desktop-like workspace, all without sacrificing convenience and mobility. A new line of docking solutions for models introduced in 2009 and beyond incorporate the most up-to-date video (DisplayPort) and expansion (eSATA) technologies; and some include an integrated Upgrade Bay, secondary hard drive or an optical drive. All notebooks can use the HP USB 2.0 Docking Solutions. |
| HP Mobile Broadband and HP Mobile Broadband with GPS | Integrated HP Mobile Broadband powered by Gobi allows you to conveniently access the Internet, corporate intranet, e-mail, and critical information in more places around the world. The GPS capability enables Absolute's LoJack Pro Premium solution to provide notebook tracking and recovery and remote data deletion. |
| HP 3D DriveGuard | Offers a three-axis digital accelerometer that acts as a motion sensor, notifying the system software of any sudden movement and temporarily parking the hard drive, protecting critical information from sudden impact or drops. |
| HP DuraCase | Includes several durability features that help protect your notebook from wear and tear. |
| HP DuraFinish | A scratch-resistant surface that helps protect the finish from normal wear and tear so your notebook looks newer, longer. |
| HP DuraKeys | A clear coating applied over the notebook keyboard, protecting the finish and the printed characters and making them 50 times more resistant to visible wear than keyboards without it. |
| HP Total Test Process | A multi-tiered product validation process with comprehensive, end-to-end diagnostics and a minimum of 100,000 hours of testing per platform, ensuring a reliable and durable notebook. |
| RAID (1 - Mirroring & 0 Striping) | RAID 1 Mirroring uses two hard drives to mirror all saved data in real time, helping provide data reliability in the case of a single disk failure. RAID 0 Striping maximizes the storage performance of your notebook by using the read/write capabilities of two or more hard drives working in unison for optimum performance. You can load, save, create and manipulate large files faster. |
| HP Power Assistant | One easy-to-use tool that allows you to: conserve power, stretch battery run-time, accurately monitor your reported power needs, and report workforce power consumption. |
| ENERGY STAR® | HP's ENERGY STAR® qualified products help save you money by reducing energy costs and promote environmental stewardship without sacrificing features or performance. |
| EPEAT® Gold or Silver registered in US | Select HP notebooks have attained the highest EPEAT® ratings of Gold or Silver. |
| LED-backlit display | Thinner, lighter and more energy-efficient, these displays provide up to 90 minutes increase in battery life* when compared to standard CCFL display technology. |

* Results were achieved by comparing two similarly configured notebook PCs running on nine-cell batteries. Results may vary with 3- and 6-cell batteries, loaded applications, features and power management settings.

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