

HP EliteBook 650 15.6 inch G10 Notebook PC (859R8EA)



Empowering the hybrid workforce

Simplify hybrid work with the cost-effective, highly secure, and easily managed HP EliteBook 650. The latest Intel® processor[2], a wide variety of configurable ports, and connectivity options allow easy adoption for use at home, in the office, or when traveling.



HP recommends Windows 11 Pro for business

Two USB Type-C® ports

Equipped with one Thunderbolt™ 4 with USB4 Type-C®, and 1 multifunction USB Type-C® port.

Protected by HP Wolf Security

HP Wolf Security for Business creates a hardware-enforced, always-on, resilient defense.[3]

Crystal-clear speakers

Enjoy the crystal-clear audio performance delivered by HP Dynamic Audio[6] and HP AI Noise Reduction.[6]

Featuring

Windows 11

Work anywhere without compromising on performance or security with Windows 11 powered by HP's collaboration and connectivity technology.

Look your best, even in low light

Optimize your video calls in low lighting with an HD camera and temporal noise reduction that lowers the effects of visual noise and pixelation. [6]

Fast and efficient wireless LAN

The portability of your PC and the reliability of a fast connection determines where you can work. Get a fast and reliable connection in dense wireless environments with gigabit-speed Wi-Fi 6. [1]

Automatic recovery from firmware attacks

Firmware attacks can completely devastate your PC. Stay protected with HP's self-healing BIOS - HP Sure Start Gen7 automatically recovers the BIOS from malware, rootkits, or corruption.

Keep your PC's security protections in place

Stop unwanted changes to security settings and help limit the spread of malware with HP Sure Run Gen5 which identifies, quarantines, and provides reporting on attackers trying to kill processes.

Specifications

Operating system	Windows 11 Pro ^[1]
Product color	Pike silver aluminum
Processor family	13th Generation Intel® Core™ i7 processor
Processor	Intel® Core™ i7-1355U (up to 5.0 GHz with Intel® Turbo Boost Technology, 12 MB L3 cache, 10 cores, 12 threads) ^[6,7]
Memory	16 GB DDR4-3200 MHz RAM (1 x 16 GB)
Memory Slots	2 SODIMM
Internal Storage	512 GB PCIe® NVMe™ SSD
Graphics	Integrated
Graphics (integrated)	Intel® Iris® X ^e Graphics
Display	39.6 cm (15.6") diagonal, FHD (1920 x 1080), IPS, narrow bezel, anti-glare, 250 nits, 45% NTSC
Display	15.6" diagonal, FHD (1920 x 1080), IPS, narrow bezel, anti-glare, 250 nits, 45% NTSC ^[13,15,16,17]
Display size (diagonal)	39.6 cm (15.6")
Display size (diagonal)	15.6"
Audio	Dual stereo speakers, dual array microphones
Minimum dimensions (W x D x H)	35.94 x 23.39 x 1.99 cm
Weight	Starting at 1.78 kg (Weight will vary by configuration. Does not include power adapter.)
Keyboard	HP Premium Keyboard – spill-resistant, backlit keyboard with numeric keypad
Pointing device	Clickpad with multi-touch gesture support, taps enabled as default
Camera	720p HD IR camera
Ports	1 smart card reader (HDMI cable sold separately.)
Package dimensions (W x D x H)	6.9 x 52 x 30.5 cm
Wireless	Intel® Wi-Fi 6E AX211 (2x2) and Bluetooth® 5.3 wireless card (supporting gigabit data rate)
Power	65 W USB Type-C™ adapter ^[37]
Battery type	HP Long Life 3-cell, 51 Wh Li-ion
Battery weight	181.83 g
Energy star certified	ENERGY STAR® certified
Management features	HP Client Management Script Library (download); HP Driver Packs (download); HP Client Catalog (download); HP Manageability Integration Kit Gen4 (download); HP Image Assistant Gen5 (download); HP Patch Assistant (download); HP Cloud Recovery; HP Connect for Microsoft Endpoint Manager ^[22,23,24]
Sustainable impact specifications	Low Halogen
Security management	Absolute persistence module; HP Secure Erase; HP Sure Click; HP Sure Sense; BIOS Update via Network; HP Sure Admin; HP BIOSphere Gen6; HP Client Security Manager Gen7; TPM 2.0 embedded security chip (Common Criteria EAL4+ and FIPS 140-2 Level 2 Certified); HP Sure Start Gen7; HP Wake on WLAN; HP Tamper Lock; HP Sure Run Gen5; HP Sure Recover Gen5; Secured-Core PC Enable ^[25,26,27,28,29,30,31,32,33,34]
Software included	HP Connection Optimizer; HP Hotkey Support; HP Power Manager; myHP; HP Privacy Settings; HP Notifications; HP PC Hardware Diagnostics Windows; HP Services Scan; HP Smart Support (download) ^[20,21,38,57]
UPC number	197029876768
Manufacturer Warranty	1 year (1/1/0) limited warranty includes 1 year of parts and labor. No on-site repair. Terms and conditions vary by country. Certain restrictions and exclusions apply.

Top Recommended Displays, Accessories and Services

No Top Recommended Displays, Accessories and Services

Messaging Footnotes

[1] Wireless access point and internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 6 is backwards compatible with prior 802.11 specs. The specifications for Wi-Fi 6 (802.11ax) are draft and are not final. If the final specifications differ from the draft specifications, it may affect the ability of the PC to communicate with other 802.11ax devices. Wi-Fi® supporting gigabit speeds is achievable with Wi-Fi 6 (802.11ax) when transferring files between two devices connected to the same router. Requires a wireless router, sold separately, that supports 160MHz channels.

[2] 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. Performance and clock frequency will vary depending on application workload and your hardware and software configurations. AMD's numbering is not a measurement of clock speed.

[3] HP Wolf Security for Business requires Windows 10 Pro and higher, includes various HP security features and is available on HP Pro, Elite, Workstation, and RPOS products. See product details for included security features and OS requirements.

[6] Requires the myHP application and Windows OS.

Technical Specifications Footnotes

[1] Not all features are available in all editions or versions of Windows. Systems may require upgraded and/or separately purchased hardware, drivers, software or BIOS update to take full advantage of Windows functionality. Windows is automatically updated and enabled. High speed internet and Microsoft account required. ISP fees may apply and additional requirements may apply over time for updates. See <http://www.windows.com>.

[6] 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. Performance and clock frequency will vary depending on application workload and your hardware and software configurations. Intel's numbering, branding and/or naming is not a measurement of higher performance.

[7] Intel® Turbo Boost performance varies depending on hardware, software and overall system configuration. See <http://www.intel.com/technology/turboboost/> for more information.

[13] HD content required to view HD images.

[15] Resolutions are dependent upon monitor capability, and resolution and color depth settings.

[16] HP Sure View Reflect integrated privacy screen is an optional feature that must be configured at purchase and is designed to function in landscape orientation.

[17] Actual brightness will be lower with touchscreen or Sure View.

[20] HP Support Assistant requires Windows and Internet access.

[21] HP Services Scan is provided with Windows Update on select products and will check entitlement on each hardware device to determine if an HP TechPulse-enabled service has been purchased, and will download applicable software automatically. HP TechPulse is a telemetry and analytics platform that provides critical data around devices and applications. For full system requirements or to disable this feature, please visit <http://www.hpdaas.com/requirements>. Not applicable in China.

[22] HP Connect for Microsoft Endpoint Manager is available from the Azure Market Place for HP Pro, Elite, Z and Point-of-Sale PCs managed with Microsoft Endpoint Manager. Subscription to Microsoft Endpoint Manager required and sold separately. Network connection required.

[23] HP Manageability Integration Kit can be downloaded from <http://www8.hp.com/us/en/ads/clientmanagement/overview.html>.

[24] HP Patch Assistant available on select HP PCs with the HP Manageability Kit that are managed through Microsoft System Center Configuration Manager. HP Manageability Integration Kit can be downloaded from <http://www8.hp.com/us/en/ads/clientmanagement/overview.html>.

[25] HP Sure Click requires Windows 10 Pro or higher or Enterprise. See https://bit.ly/2PrLT6A_SureClick for complete details.

[26] HP Sure Sense is available on select HP PCs with Windows 10 Pro, Windows 10 Enterprise, Windows 11 Pro, or Windows 11 Enterprise OS25. HP Sure Run Gen5 is available on select HP PCs and requires Windows 10 and higher.

[27] HP Sure Run Gen5 is available on select HP PCs and requires Windows 10 and higher.

[28] HP Sure Recover is available on HP Elite PCs with 8th generation Intel® or AMD processors and requires an open, wired network connection. You must back up important files, data, photos, videos, etc. before use to avoid loss of data. Does not support platforms with Intel® Optane™.

[29] HP Sure Start Gen7 is available on select HP PCs and requires Windows 10 and higher.

[30] HP Client Security Manager Gen7 requires Windows and is available on the select HP Elite and Pro PCs.

[31] HP BIOSphere Gen6 features may vary depending on the platform and configuration.

[32] HP Secure Erase for the methods outlined in the National Institute of Standards and Technology Special Publication 800-88 "Clear" sanitation method. HP Secure Erase does not support platforms with Intel® Optane™.

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