



# HP PROBOOK 650 G8 NOTEBOOK PC

The new modern design of the HP ProBook 650 brings style to the enterprise and delivers the performance, durability, security, and manageability required for today's workforce. Flexible configuration options fit a range of users and budgets.

**HP's smallest 600 series ever**  
**HP's lightest 600 series ever**

DESIGNED FOR



**Office Navigators**



## Easy to carry where the day takes you

Confidently carry this durable laptop with you knowing it's built to last and made to travel. The slim yet durable HP ProBook 640 features an aluminum chassis, an 80-percent screen-to-body ratio, and a spill resistant keyboard.

## Made for the enterprise

With an optional quad-core 11<sup>th</sup> Gen Intel® Core™ processor<sup>1,11</sup>, this globally available PC is easy to service, drives performance and has long battery life, and optional Thunderbolt™ docking<sup>11</sup>. The optional Opal2 SSD<sup>29</sup> provides for highly secure storage for the enterprise.

## Work with peace of mind

Security features from HP work together to create an always-on, always-acting, resilient defense. From the BIOS to the browser, above and below the OS, these constantly evolving solutions help protect your PC from threats.

Ultrathin: Starting at 1.99 cm; 0.78 in  
Light: Starting at 1.74 kg; 3.83 lb



## RECOMMENDED ACCESSORIES



Built to be paired with HP-branded displays and accessories



Business Top Load 15"



HP EliteDisplay E243 23.8-inch Monitor



HP USB-C Dock G5



HP Wireless Premium Mouse



HP Wireless Premium Keyboard

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Processor Family	11th Generation Intel® Core™ i7/ i5/ i3 processors (i7-1165G7 with Intel® Iris® Xe Graphics; i5-1135G7 with Intel® Iris® Xe Graphics; i3-1115G4 with Intel® UHD Graphics) <sup>1</sup>
Display	15.6" diagonal FHD (1920 x 1080) Anti-glare with HP Sure View integrated privacy screen, 1000 nits, 72% NTSC; 15.6" diagonal FHD (1920 x 1080) Anti-glare, Touch, 250 nits, 45% NTSC; 15.6" diagonal FHD (1920 x 1080) Anti-glare Low Power, 400 nits, 72% NTSC; 15.6" diagonal FHD (1920 x 1080) Anti-glare, 250 nits, 45% NTSC; 15.6" diagonal HD (1366 x 768) Anti-glare, 250 nits, 45% NTSC <sup>2,3,4,5</sup>
Maximum Memory	64 GB DDR4-3200 Both slots are acceSDRAMssible/upgradeable by IT or self-maintainers only. Supports dual channel memory <sup>6</sup>
Memory Slots	2 SODIMM
Internal Storage	up to 512 GB Intel® PCIe® NVMe™ QLC M.2 SSD with 32 GB Intel® Optane™ memory H10 <sup>7, 31</sup> 128 GB up to 1 TB PCIe® Gen3x4 NVMe™ M.2 SSD TLC <sup>7</sup> 256 GB up to 512 GB PCIe® Gen3x4 NVMe™ M.2 SED SSD TLC <sup>7</sup> 256 GB up to 512 GB PCIe® NVMe™ Value M.2 SSD <sup>7</sup>
Graphics and Audio	Integrated: Intel® Iris® Xe Graphics; Intel® UHD Graphics <sup>2</sup> Discrete: NVIDIA® GeForce® MX450 (2 GB DDR5 dedicated) <sup>32</sup> Dual stereo speakers, dual array microphone
Communications	WLAN: Intel® AX201 Wi-Fi 6 (2x2) and Bluetooth® 5 Combo, non-vPro <sup>®8</sup> ; Intel® Dual Band Wireless-AC 9560 802.11a/b/g/n/ac (2x2) Wi-Fi® and Bluetooth® 5 Combo, non-vPro <sup>®35</sup> WWAN: Intel® XMM™ 7360 LTE-Advanced Cat 9 <sup>33</sup> LAN: Realtek 10/100/1000 GbE NIC <sup>34</sup>
Ports and Connectors	1 SuperSpeed USB Type-C® 10Gbps signaling rate (USB Power Delivery, DisplayPort™); 3 Super Speed USB Type-A 5Gbps signaling rate (1 charging, 2 power); 1 RJ-45; 1 headphone/microphone combo; 1 HDMI 1.4b; 1 Smartcard Reader (optional); 1 SIM card slot (optional); 1 AC power (HDMI cable sold separately)
Input Devices	HP Premium Keyboard, spill resistant, full-size, optional backlit keyboard with DuraKey and numeric keypad <sup>11</sup> ; Clickpad with multi-touch gesture support
Camera	720p HD camera; HD IR webcam <sup>2,11,12</sup>
Security/Manageability	Fingerprint sensor <sup>13</sup> (optional); Smartcard Reader (optional); Absolute persistence module <sup>14</sup> ; HP DriveLock and Automatic DriveLock <sup>15</sup> ; Power-on authentication; TPM 2.0 embedded security chip shipped with Windows 10 (Common Criteria EAL4+ Certified); HP Sure View Gen3 <sup>4</sup> (optional); HP Sure Click <sup>16</sup> ; HP Sure Sense <sup>17</sup> ; HP Sure Start Gen6 <sup>18</sup> ; HP Sure Run Gen3 <sup>19</sup> ; HP Sure Recover Gen3 <sup>20</sup> ; HP Secure Erase <sup>21</sup> ; HP BIOSphere Gen5 <sup>22</sup> ; HP Client Security Manager Gen6 <sup>23</sup> ; HP Manageability Integration Kit Gen4 <sup>24</sup> ; HP Driver Packs <sup>25</sup> ; HP System Software Manager (SSM); HP BIOS Config Utility (BCU); HP Client Catalog
Power	HP Smart 65 W/ 45 W External AC power adapter; HP Smart 65 W/ 45 W USB Type-C® adapter <sup>26</sup>
Battery Type	HP Long Life 3-cell, 45 Wh Li-ion polymer <sup>27</sup>
Dimensions	35.94 x 23.39 x 1.99 cm; 14.14 x 9.21 x 0.78 in
Weight	Starting at 1.74 kg; 3.83 lb (Weight will vary by configuration)
Operating System	Windows 10 Pro/Home 64 <sup>28</sup>



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## FOOTNOTES

1. Multicore 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.
2. HD content required to view HD images.
3. Resolutions are dependent upon monitor capability, and resolution and color depth settings.
4. HP Sure View Gen3 integrated privacy screen is an optional feature that must be configured at purchase and is designed to function in landscape orientation.
5. Actual brightness will be lower with touchscreen or Sure View.
6. 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.
7. For storage drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 30 GB (for Windows 10) is reserved for system recovery software.
8. Wireless access point and Internet service required and sold separately. Availability of public wireless access points limited. The specifications for Wi-Fi 6 (802.11ax WLAN) are draft specifications and are not final. If the final specifications differ from the draft specifications, it may affect the ability of the notebook to communicate with other 802.11ax WLAN devices. Only available in countries where 802.11ax is supported.
9. WWAN module is an optional feature, requires factory configuration and requires separately purchased service contract. Check with service provider for coverage and availability in your area. Connection speeds will vary due to location, environment, network conditions, and other factors. 4G LTE not available on all products, in all regions.
10. Miracast is a wireless technology your PC can use to project your screen to TVs, projectors, and streaming.
11. Sold separately or as an optional feature.
12. Internet access required.
13. HP Fingerprint Sensor sold separately or as an optional feature.
14. Absolute firmware module is shipped turned off and can only be activated with the purchase a license subscription and full activation of the software agent. License subscriptions can be purchased for terms ranging multiple years. Service is limited, check with Absolute for availability outside the U.S. Certain conditions apply.  
For full details visit: <https://www.absolute.com/about/legal/agreements/absolute/>.
15. HP Drive Lock & Automatic Drive Lock is not supported on NVMe drives.
16. HP Sure Click requires Windows 10 Pro or Enterprise. See [https://bit.ly/2PrLT6A\\_SureClick](https://bit.ly/2PrLT6A_SureClick) for complete details.
17. HP Sure Sense requires Windows 10 Pro or Enterprise. See product specifications for availability.
18. HP Sure Start Gen6 is available on select HP PCs.
19. HP Sure Run Gen3 is available on select Windows 10 based HP Pro, Elite and Workstation PCs with select Intel® or AMD processors.
20. HP Sure Recover Gen3 is available on select HP PCs and requires an open network connection. You must back up important files, data, photos, videos, etc. before using HP Sure Recover to avoid loss of data. Network based recovery using Wi-Fi is only available on PC's with Intel Wi-Fi Module.
21. 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™.
22. HP BIOSphere Gen5 is available on select HP Pro and Elite PCs. See product specifications for details. Features may vary depending on the platform and configurations.
23. HP Client Security Manager Gen6 requires Windows and is available on the select HP Pro and Elite PCs.
24. HP Manageability Integration Kit can be downloaded from <http://www8.hp.com/us/en/ads/clientmanagement/overview.html>.
25. HP Driver Packs not preinstalled, however available for download at <http://www.hp.com/go/clientmanagement>.
26. Availability may vary by country.
27. Recharges the battery up to 50% within 30 minutes when the system is off or in standby mode. Power adapter with a minimum capacity of 65 watts is required. After charging has reached 50% capacity, charging will return to normal. Charging time may vary +/-10% due to System tolerance.
28. Not all features are available in all editions or versions of Windows. Systems may require upgraded and/or separately purchased hardware, drivers, software or BIOS update to take full advantage of Windows functionality. Windows 10 is automatically updated, which is always enabled. ISP fees may apply and additional requirements may apply over time for updates. See <http://www.windows.com/>.
29. Optional feature that must be configured at the factory.
30. Intel® Iris® Xe graphics requires Intel® Core™ i5 or i7 processor.
31. Intel® Optane™ memory system acceleration does not replace or increase the DRAM in your system. Requires 8th Gen or higher Intel® Core™ processor, BIOS version with Intel® Optane™ supported, Windows 10 64-bit, and an Intel® Rapid Storage Technology (Intel® RST) driver.
32. Integrated graphics depends on processor. NVIDIA® Optimus™ technology requires an Intel processor, plus an NVIDIA® GeForce® discrete graphics configuration and is available on Windows 10 Pro OS. With NVIDIA® Optimus™ technology, full enablement of all discrete graphics video and display features may not be supported on all systems (e.g. OpenGL applications will run on the integrated GPU or the APU as the case may be).
33. WWAN module is optional, must be configured at the factory and requires separately purchased service contract. Check with service provider for coverage and availability in your area. Connection speeds will vary due to location, environment, network conditions, and other factors. 4G LTE not available on all products, in all regions.
34. 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.
35. Wireless access point and internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 5 (802.11 ac) is backwards compatible with prior 802.11 specs.

