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Datasheet

HP ProBook 650 G8 Notebook PC

Modern design for the enterprise



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.



*Product image may differ from actual product.

HP recommends Windows 10 Pro for business

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 650 features an aluminum chassis, an 88-percent screen-to-body ratio, and a spill resistant keyboard.

Made for the enterprise

- With an optional quad-core 11th Gen Intel® Core™ 2,3 vPro® 1 processor, this globally available PC is easy to service, drives performance and has long battery life, and optional Thunderbolt™ docking.⁴ The optional Opal2 SSD⁵ provides for highly secure storage for the enterprise.

Protected by HP Wolf Security

- HP Wolf Security for Business creates a hardware-enforced, always-on, resilient defense. From the BIOS to the browser, above, in, and below the OS, these constantly evolving solutions help protect your PC from modern threats.¹⁷
- You will appreciate the style of the aluminum chassis and the confidence that comes from 120,000 hours of the HP Total Test process and MIL-STD 810H testing.^{6,7}
- Help speed up demanding business applications with an optional quad-core 11th Gen Intel® Core™ vPro® processor with breakthrough Intel® Iris® Xe graphics.^{1,2,3,16}
- Enjoy the consistent feel and extremely quiet typing experience of the redesigned keyboard with rubber dome keys.
- Get going fast with Connected Modern Standby and wake your PC from the optional match-on-sensor fingerprint sensor.⁸
- Instantly block prying eyes by making your screen appear dark and unreadable from the side with optional HP Sure View Gen3.⁹
- Firmware attacks can completely devastate your PC. Stay protected with HP Sure Start Gen6, the self-healing BIOS that automatically recovers itself from attacks or corruption.¹⁰
- Quickly transition to desktop productivity with a single USB-C® cable. The optional HP Thunderbolt™ Dock G2 delivers enterprise manageability and you can add an optional audio module.^{11,12,13}
- Never wonder if someone is watching you with the added peace-of-mind that comes from the integrated HP Privacy Camera, with a physical shutter to protect from malicious surveillance.¹⁴
- The HP ProBook 650 uses recycled materials in the keyboard, speakers, and packaging—this ENERGY STAR® certified PC earns an EPEAT® Gold rating in the U.S.¹⁵



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HP ProBook 650 G8 Notebook PC Specifications Table



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Available Operating Systems	Windows 10 Pro 64 – HP recommends ¹
Processor family	11th Generation Intel® Core™ processor
Available Processors	Intel® Core™ i3-1115G4 with Intel® UHD Graphics (up to 4.1 GHz with Intel® Turbo Boost Technology, 6 MB L3 cache, 2 cores)
Maximum memory	64 GB DDR4-3200 SDRAM Both slots are customer accessible/upgradeable. Supports dual channel memory.
Memory slots	2 SODIMM
Internal storage	512 GB PCIe® NVMe™ Value M.2 SSD
Display size (diagonal, metric)	39.6 cm (15.6")
Display	39.6 cm (15.6") diagonal, FHD (1920 x 1080), touch, narrow bezel, anti-glare, 250 nits, 45% NTSC
Available Graphics	Integrated: Intel® Iris® X® Graphics; Intel® UHD Graphics Dual stereo speakers, dual array microphone
Audio	2 SuperSpeed USB Type-A 5Gbps signaling rate (1 charging, 1 power); 1 SuperSpeed USB Type-C® 10Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4); 1 RJ-45; 1 headphone/microphone combo; 1 HDMI 1.4b; 1 AC power (HDMI cable sold separately.)
Ports and Connectors	Optional Ports: 1 Smartcard reader (optional); 1 Thunderbolt™ 4 with USB4 Type-C® 40Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4)
Input devices	HP Premium Keyboard – spill-resistant, optional backlit keyboard with numeric keypad; Clickpad with multi-touch gesture support;
Communications	Integrated 10/100/1000 GbE NIC; Intel® AX201 Wi-Fi 6 (2x2) and Bluetooth® 5 combo, non-vPro®
Camera	720p HD camera; IR Camera
Software	HP Connection Optimizer; HP Image Assistant; HP Hotkey Support; HP Noise Cancellation Software; HP Support Assistant; HP Power Manager; myHP; HP Privacy Settings; HSA Fusion for Commercial; HSA Telemetry for Commercial; Touchpoint Customizer for Commercial; HP Notifications
Available software	HP Smart Support
Security management	Absolute persistence module; HP Secure Erase; TPM 2.0 embedded security chip shipped with Windows 10 (Common Criteria EAL4+ Certified); HP Sure Click; Windows Defender; HP BIOSphere Gen5; HP Sure Sense; Support for chassis padlocks and cable lock devices; HP Sure Start Gen6; HP Sure Admin; HP Sure Run Gen4; HP Sure Recover Gen4; HP Client Security Manager Gen7; NVMe DriveLock; Pre-Boot Security; BIOS update (Status) over Wi-Fi
Security Software Licenses	HP Wolf Pro Security Edition
Management features	HP Driver Packs; HP System Software Manager (SSM); HP BIOS Config Utility (BCU); HP Client Catalog; HP Manageability Integration Kit Gen3
Power	HP Smart 65 W External AC power adapter; HP Smart 45 W External AC power adapter; HP Smart 65 W USB Type-C® adapter; HP Smart 45 W USB Type-C® adapter
Battery type	HP Long Life 3-cell, 45 Wh polymer
Dimensions	35.94 x 23.39 x 1.99 cm
Weight	Starting at 1.74 kg (Weight will vary by configuration.)
Energy efficiency compliance	ENERGY STAR® certified; EPEAT® registered where applicable. EPEAT registration varies by country. See www.epeat.net for registration status by country.
Sustainable impact specifications	Low Halogen; TCO 8.0 certified
Warranty	1 year standard parts and labor limited warranty (1-1-0), depending on country (upgrades available). 1 year limited warranty on primary battery.