OMEN Transcend 14 inch Gaming Laptop PC
Product Spec Sheet

Operating System	Windows 11 Home Windows 11 Pro
Processor(s)	Intel® Core™ Ultra 9 185H (up to 5.1 GHz with Intel® Turbo Boost Technology, 24 MB L3 cache, 16 cores, 22 threads) [1] Intel® Core™ Ultra 7 155H (up to 4.8 GHz with Intel® Turbo Boost Technology, 24 MB L3 cache, 16 cores, 22 threads) [1]
Graphics	NVIDIA® GeForce RTX™ 4070 Laptop GPU with 8GB GDDR6 memory NVIDIA® GeForce RTX™ 4060 Laptop GPU with 8GB GDDR6 memory NVIDIA® GeForce RTX™ 4050 Laptop GPU with 6GB GDDR6 memory
Memory	32 GB LPDDR5x-7467 MHz RAM (onboard) 16 GB LPDDR5x-7467 MHz RAM (onboard)
Internal Storage	2 TB PCIe® Gen4 NVMe™ TLC M.2 SSD 1 TB PCIe® Gen4 NVMe™ TLC M.2 SSD 512 GB PCIe® Gen4 NVMe™ TLC M.2 SSD
Display	35.6 cm (14") diagonal, 2.8K (2880 x 1800), OLED, 48-120 Hz, 0.2 ms response time, UWVA, edge-to-edge glass, micro-edge, Low Blue Light, SDR 400 nits, HDR 500 nits, 100% DCI-P3 Variable Refresh Rate support [2] VESA True Black HDR 400 [3] TUV+Eyesafe® Display for Low Blue Light [4] [5] Flicker-free [6] IMAX Enhanced certified
Screen-To-Body Ratio	83.73% [7]
Webcam	HP True Vision 1080p FHD IR camera with temporal noise reduction and integrated dual array digital microphones [8]
Audio	HyperX Audio Control; Dual speakers; DTS:X® Ultra, HP Audio Boost 2.0
Input/Connectivity	1x Thunderbolt™ 4 with USB Type-C® 40Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4, HP Sleep and Charge) [9] 1x USB Type-C® 10Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4, HP Sleep and Charge) 1x USB Type-A 10Gbps signaling rate (HP Sleep and Charge) 1x USB Type-A 10Gbps signaling rate 1x headphone/microphone combo (Compatible with 3.5mm 4-conductor jack with stereo audio and mono mic) 1x HDMI 2.1
Wireless technology	Intel® Wi-Fi 7 BE200 (2x2) and Bluetooth® 5.4 wireless card [10] [11] Intel® Wi-Fi 6E AX211 (2x2) and Bluetooth® 5.3 wireless card [12] [13] Modern Standby (Connected) HP Extended Range Wireless LAN [14]

Battery Life & Power	Up to 11.5 hours (MobileMark 25) [15] 6-cell, 71 Wh Li-ion polymer [16] 140 W USB Type-C® power adapter
Battery Recharge Time	Supports battery fast charge: Approximately 50% in 30 minutes [17]
Weight and Dimensions	1637g [18] 313 (W) x 233.5 (D) x 17.99 (H) mm [18]
Color	Shadow Black/ Ceramic White
Sustainable Impact Specifications	Recycled metal in A,C,D covers, hinge cap(s) [19]; Keyboard components contain post-consumer recycled plastic in keycaps, scissors [20]; Ocean-bound plastic in bezel, speaker enclosure(s) [21]; EPEAT Gold with Climate+ and ENERGY STAR® certified [22]

Disclaimers:

[1] 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.

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

[2] All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.

[3] DisplayHDR™ is the high-performance Display Compliance Test Specification from VESA specifying HDR (High Dynamic Range) quality. See http://displayhdr.org for more details.

[4] TUV Low Blue Light is the Display Compliance Test Specification quality. See https://www.certipedia.com/?locale=en#search for more details.

[5] Eyesafe® Display for Low Blue Light is the Display Compliance Test Specification quality. See https://eyesafe.com for more details.

[6] The Flicker-free capability is eliminating screen flickering through integrating DC-dimming LED backlights or LED emissions. OLED panel is functional with DC-DIMMING when above 100nits.

[7] Percent of active plus nonactive viewing area to active viewing area plus border. Measure with lid vertical to the desk.

[8] Camera resolution refers to the image sensor active pixels. The actual image capture pixels and aspect ratio depend on the app selected.

[9] For best results with HP Sleep and Charge, use a USB charging protocol standard cable or cable adapter with an external device. For optimal performance and battery chargeability while gaming and rendering, use the power adapter that ships with the PC. You can use the 100W/20V Type-C adapter or power bank when running light loading tasks. System-off charging is only supported on 20V Type-C adapter or power bank.

[10] Wireless access point and Internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 7 (802.11BE) functionality requires Windows 11 2024, select Intel® Core™ or Intel® Core™ Ultra processor, and a Wi-Fi 7 router, sold separately. Wi-Fi 7 is backwards compatible with prior 802.11 specs. Available in countries where Wi-Fi 7 is supported. The specification for 802.11BE is a draft specification and is not final. If the final specification differs from the draft specification, it may affect the ability of the device to communicate with other 802.11BE devices.

[11] Bluetooth® 5.4 operation requires Microsoft OS/Chrome OS support. Until Microsoft OS/Chrome OS support is available, Bluetooth® 5.4 will function as Bluetooth® 5.3 or lower.

[12] Wi-Fi 6E requires a Wi-Fi 6E router, sold separately, to function in the 6GHz band. Availability of public wireless access points limited. Wi-Fi 6E is backwards compatible with prior 802.11 specs. And available in countries where 6GHz is supported.

[13] Bluetooth® 5.3 operation requires Microsoft OS/Chrome OS support. Until Microsoft OS/Chrome OS support is available, Bluetooth® 5.3 will function as Bluetooth® 5.2 or lower.

[14] Coverage and Throughput improvements with Dynamic Antenna Gain feature enabled based on outdoor free space environment using Friis formula. Dynamic Antenna Gain is a feature under HP Extended Range Wireless Lan. Dynamic Antenna Gain feature is available in EU Red Countries covered by EU and China approval.

[15] MobileMark 25 Battery life will vary depending on various factors including 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 https://bapco.com/products/mobilemark-25/ for additional details. Testing conducted by HP in November 2023 using preproduction OMEN Transcend 14 with Intel Core Ultra 9, NVIDIA® GeForce RTX™ 4070 laptop GPU,16 GB LPDDR5x-7467 MHz RAM, OLED with 2880x1800 SKU with OMEN Gaming Hub Integrated graphics only mode on.

[16] Actual battery Watt-hours (Wh) will vary from design capacity. Battery capacity will naturally decrease with shelf life, time, usage, environment, temperature, system configuration, loaded apps, features, power management settings and other factors.

[17] Recharges your battery up to 50% within 30 minutes when the system is off (using "shut down" command). Recommended for use with the HP adapter provided with the notebook, not recommended with a smaller capacity battery charger. After charging has reached 50% capacity, charging speed will return to normal speed. Charging time may vary +/-10% due to System tolerance. Available on select HP products. See http://store.hp.com for a full list of product features.

[18] Weight and system dimensions may fluctuate due to configuration and manufacturing variances.

[19] Laptops manufactured with recycled metal material in product cover. Percentage of recycled metal varies by product.

[20] Keyboard components contain post-consumer recycled plastic. Percentage of post consumer recycled contained in each component varies by product.

[21] Percentage of ocean-bound plastic contained in each component varies by product.

[22] Based on U.S. EPEAT® registration according to IEEE 1680.1-2018 EPEAT®. EPEAT® status varies by country. Visit www.epeat.net for more information.