

Operating system	FreeDOS
Processor family	12th Generation Intel® Core™ i7 processor
Processor	Intel® Core™ i7-12650H (up to 4.7 GHz with Intel® Turbo Boost Technology, 24 MB L3 cache, 10 cores, 16 threads) ^[1, 2]
Chipset	Intel® Integrated SoC
Graphics	Discrete, NVIDIA® GeForce RTX™ 3050 Ti Laptop GPU (4 GB GDDR6 dedicated)
Memory	16 GB DDR4-3200 MHz RAM (2 x 8 GB) <small>(Transfer rates up to 3200 MT/s.)</small>
Internal Storage	512 GB PCIe® NVMe™ TLC M.2 SSD
Display	39.6 cm (15.6") diagonal, FHD (1920 x 1080), 144 Hz, 9 ms response time, IPS, micro-edge, anti-glare, 250 nits, 45% NTSC ^[3]
Touchscreen	No
Screen-to-body ratio (without speakers)	82.23% ^[4]
Color gamut	45% NTSC
Brightness	250 nits

Minimum dimensions (W x D x H)	35.79 x 25.5 x 2.35 cm <small>(Dimensions vary by configuration)</small>
Weight	2.29 kg <small>(Weight varies by configuration)</small>
Battery type	4-cell, 70 Wh Li-ion polymer ^[1b]
Battery life	Up to 8 hours and 15 minutes ^[a]
Battery recharge time	Supports battery fast charge: approximately 50% in 30 minutes ^[7]
Wireless	MediaTek Wi-Fi 6 MT7921 (2x2) and Bluetooth® 5.3 compatible combo (supporting gigabit data rate) ^[8, 9] <small>(MU-MIMO supported; Modern Standby (Connected))</small>
Network interface	Integrated 10/100/1000 GbE LAN
Product color	Ceramic white, black chrome logo
Keyboard	Full-size, backlit, ceramic white keyboard with numeric keypad
Camera	HP Wide Vision 720p HD camera with temporal noise reduction and integrated dual array digital microphones
Audio	Audio by B&O; Dual speakers; HP Audio Boost
Pointing device	HP Imagepad with multi-touch gesture support
Expansion slots	1 multi-format SD media card reader

Ports	1 SuperSpeed USB Type-C® 5Gbps signaling rate (DisplayPort™ 1.4, HP Sleep and Charge); 1 SuperSpeed USB Type-A 5Gbps signaling rate (HP Sleep and Charge); 1 SuperSpeed USB Type-A 5Gbps signaling rate; 1 HDMI 2.1; 1 RJ-45; 1 AC smart pin; 1 headphone/microphone combo ^[10]
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Power supply type	200 W Smart AC power adapter
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Security management	Trusted Platform Module (Firmware TPM) support
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Sustainable impact specifications	Ocean-bound plastic in speaker enclosure(s) and bezel; Keyboard keycaps and scissors contain post-consumer recycled plastic ^{[11] [12]}
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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.
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