

Operating system	<p>INCLUDED IN CURRENT CONFIGURATION</p> <p>Windows 11 Home</p> <p>ALTERNATE OPTIONS</p> <p>Windows 11 Home</p> <p>Windows 11 Home</p> <p>Windows 11 Pro</p>
Processor and graphics	<p>INCLUDED IN CURRENT CONFIGURATION</p> <p>Intel® Core™ i5-13500H (up to 4.7 GHz, 18 MB L3 cache, 12 cores, 16 threads) + Intel® Iris® Xe Graphics</p> <p>ALTERNATE OPTIONS</p> <p>Intel® Core™ i7-13700H (up to 5.0 GHz, 24 MB L3 cache, 14 cores, 20 threads) + Intel® Iris® Xe Graphics</p> <p>Intel® Core™ i7-1355U (up to 5.0 GHz, 12 MB L3 cache, 10 cores, 12 threads) + NVIDIA® GeForce RTX™ 3050 Laptop GPU (4 GB)</p>
Chipset	Intel® integrated SoC
Memory	<p>INCLUDED IN CURRENT CONFIGURATION</p> <p>8 GB DDR4-3200 SDRAM (2 X 4 GB)</p> <p>ALTERNATE OPTIONS</p> <p>12 GB DDR4-3200 SDRAM (1 x 4 GB, 1 x 8 GB)</p> <p>16 GB DDR4-3200 SDRAM (2 x 8 GB)</p> <p>32 GB DDR4-3200 MHz RAM (2 x 16 GB)</p>
Expansion slots	1 multi-format SD media card reader
Storage	<p>INCLUDED IN CURRENT CONFIGURATION</p> <p>512 GB PCIe® NVMe™ M.2 SSD</p> <p>ALTERNATE OPTIONS</p> <p>1 TB PCIe® NVMe™ M.2 SSD</p> <p>2 TB PCIe® NVMe™ TLC M.2 SSD (4x4 SSD)</p>
External optical drive	<p>INCLUDED IN CURRENT CONFIGURATION</p> <p>No DVD or CD Drive</p> <p>ALTERNATE OPTIONS</p> <p>External DVD burner</p>
Display	<p>INCLUDED IN CURRENT CONFIGURATION</p> <p>17.3" diagonal, FHD (1920 x 1080), IPS, edge-to-edge glass, micro-edge, 300 nits</p> <p>ALTERNATE OPTIONS</p> <p>17.3" diagonal, FHD (1920 x 1080), multitouch-enabled, IPS, edge-to-edge glass, micro-edge, 300 nits</p>
Screen-To-Body Ratio	86.25%
Webcam	HP True Vision 5MP IR camera with camera shutter, temporal noise reduction and integrated dual array digital microphones
Audio Features	Audio by Bang & Olufsen; Dual speakers; HP Audio Boost
Personalization	<p>INCLUDED IN CURRENT CONFIGURATION</p> <p>HP True Vision 5MP IR camera with camera shutter, temporal noise reduction and integrated dual array digital microphones</p>
Keyboard	<p>INCLUDED IN CURRENT CONFIGURATION</p> <p>Full-size, backlit, moonstone grey keyboard with numeric keypad</p>
External I/O Ports	1 USB Type-A 10Gbps signaling rate (HP Sleep and Charge); 2 USB Type-A 10Gbps signaling rate; 2 Thunderbolt™ 4 with USB Type-C® 40Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4, HP Sleep and Charge); 1 HDMI 2.1; 1 headphone/microphone combo[19]
Wireless technology	<p>INCLUDED IN CURRENT CONFIGURATION</p> <p>Realtek Wi-Fi 6E (2x2) and Bluetooth® 5.3 wireless card</p> <p>ALTERNATE OPTIONS</p> <p>Intel® Wi-Fi 6E AX211 (2x2) and Bluetooth® 5.3 wireless card</p>
Primary battery	<p>INCLUDED IN CURRENT CONFIGURATION</p> <p>4-cell, 55 Wh Li-ion polymer</p>
Battery Recharge Time	Supports battery fast charge: approximately 50% in 30 minutes[5]
Power supply	90 W USB Type-C® power adapter
Office software	<p>INCLUDED IN CURRENT CONFIGURATION</p> <p>No Additional Office Software</p> <p>ALTERNATE OPTIONS</p> <p>Microsoft® 365 Personal 1 Year - Save \$7 Instantly</p> <p>Microsoft® Office 365 Family 1 Year - Save \$10 Instantly</p> <p>Microsoft® Office 2021 Home and Student - Save \$15 Instantly</p> <p>Microsoft® Office 2021 Home and Business - Save \$25 Instantly</p>
McAfee LiveSafe(TM) Security Software	<p>INCLUDED IN CURRENT CONFIGURATION</p> <p>Security Software Trial</p> <p>ALTERNATE OPTIONS</p> <p>McAfee LiveSafe™ 12 months</p> <p>McAfee LiveSafe™ 24 months - Save \$73 Instantly</p> <p>McAfee LiveSafe™ 36 months - Save \$110 Instantly</p>
Software included	McAfee Online Protection 30-day trial
Security management	All-in-One keyboard; Trusted Platform Module (Firmware TPM) support
Warranty	1-year limited hardware warranty. Additional information available at www.support.hp.com ; 90 days limited technical support for software and initial setup (from date of purchase)
Energy efficiency	EPEAT® Gold registered
Sustainable Impact Specifications	[39,40,41]Ocean-bound plastic in base, bezel, speaker enclosure(s) and hinge cap(s); Recycled metal in cover and keyboard frame; Keyboard keycaps and scissors contain post-consumer recycled plastic
Dimensions (W X D X H)	15.68 x 10.20 x 0.77 in
Weight	5.49 lb
Package weight	8.16 lb