

Operating system	Windows 10 Pro 64 ⁴
Memory	8 GB LPDDR3-2133 SDRAM
Standard memory note	Transfer rates up to 2133 MT/s.
Memory and storage	8 GB memory 512 GB SSD storage
Storage type	SSD
Internal Storage	512 GB PCIe [®] NVMe [™] M.2 SSD
Processor speed	1.9 GHz
Processor family	8th Generation Intel [®] Core [™] i7 processor (i7-8650U)
Processor	Intel [®] Core [™] i7-8650U with Intel [®] UHD Graphics 620 (1.9 GHz base frequency, up to 4.2 GHz with Intel [®] Turbo Boost Technology, 8 MB cache, 4 cores) ^{5 4}
Graphics (integrated)	Intel [®] UHD Graphics 620
Display	33.8 cm (13.3") diagonal FHD IPS eDP + PSR BrightView LED-backlit touch screen, direct bonded with Corning [®] Gorilla [®] Glass 4, 400 cd/m ² , 100% sRGB (1920 x 1080)
Display size (diagonal)	33.8 cm (13.3")
Touchscreen	Yes
Battery type	HP Long Life 4-cell, 56 Wh Li-ion
Power	65 W external AC power adapter
Weight	Starting at 1.25 kg ⁶
Audio features	Bang & Olufsen, 4 Premium stereo speakers, integrated multi array microphone
Camera	1080p FHD camera
Keyboard	HP Premium Collaboration Keyboard, full-size, spill-resistant, backlit and DuraKeys
Ports	2 Thunderbolt [™] (USB Type-C [™] connector) 1 USB 3.1 Gen 1 (charging) 1 headphone/microphone combo 1 HDMI 1.4 1 External Nano SIM slot for WWAN ⁷
Wireless	Intel [®] Dual Band Wireless-AC 8265 802.11a/b/g/n/ac (2x2) Wi-Fi [®] and Bluetooth [®] 4.2 Combo ⁸
Security management	Absolute persistence module HP BIOSphere Gen4 HP Device Access Manager HP DriveLock and Automatic DriveLock HP Fingerprint Sensor HP Password Manager HP Secure Erase HP Security Manager Power-on authentication Preboot authentication TPM 2.0 embedded security chip shipped with Windows 10 (Common Criteria EAL4+ Certified) HP Sure Click HP SureStart Gen4 HP Wireless Wakeup

	HP Sure Recover HP Sure Run Windows Defender ^{9 10 11 12 13 14 15 16 17 18 19 20}
Energy efficiency	ENERGY STAR® certified
Environmental	Low halogen TCO 5.0 Certified
Management features	HP BIOS Config Utility (BCU) HP Client Catalog HP Driver Packs HP System Software Manager (SSM) HP Manageability Integration Kit Gen2 Ivanti Management Suite
Warranty	1 year standard parts and labor limited warranty (1-1-0), depending on country (upgrades available). 1 year limited warranty on primary battery.