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## OMEN by HP Laptop 16-b0001nx Product Specifications

- Hardware
- Software

### Hardware

Product number	4N9L6EA
Product name	OMEN by HP Laptop 16-b0001nx
Microprocessor	Intel® Core™ i7-11800H (up to 4.6 GHz with Intel® Turbo Boost Technology, 24 MB L3 cache, 8 cores, 16 threads)
Chipset	Intel® HM570
Memory, standard	32 GB DDR4-3200 MHz RAM (2 x 16 GB)
Video graphics	NVIDIA® GeForce RTX™ 3070 Laptop GPU (8 GB GDDR6 dedicated)
Hard drive	<ul style="list-style-type: none"><li>1 TB PCIe® NVMe™ TLC M.2 SSD</li><li>1 TB PCIe® NVMe™ TLC M.2 SSD</li></ul>
Optical drive	Optical drive not included
Display	40.9 cm (16.1") diagonal, FHD (1920 x 1080), 144 Hz, 7 ms response time, IPS, micro-edge, anti-glare, Low Blue Light, 300 nits, 100% sRGB
Wireless connectivity	Intel® Wi-Fi 6 AX201 (2x2) and Bluetooth® 5 combo (Supporting Gigabit data rate)
Network interface	Integrated 10/100/1000 GbE LAN
Expansion slots	1 multi-format SD media card reader
External ports	1 Thunderbolt™ 4 with USB4™ Type-C® 40Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4, HP Sleep and Charge); 1 SuperSpeed USB Type-A 5Gbps signaling rate (HP Sleep and Charge); 2 SuperSpeed USB Type-A 5Gbps signaling rate; 1 HDMI 2.1; 1 RJ-45; 1 AC smart pin; 1 headphone/microphone combo; 1 mini DisplayPort™
Minimum dimensions (W x D x H)	36.92 x 24.8 x 2.3 cm
Weight	2.31 kg
Power supply type	230 W AC power adapter
Battery type	6-cell, 83 Wh Li-ion polymer
Battery life mixed usage	Up to 6 hours and 45 minutes
Video Playback Battery life	Up to 7 hours and 45 minutes
Webcam	HP Wide Vision 720p HD camera with integrated dual array digital microphones
Audio	Audio by Bang & Olufsen; DTS:X® Ultra; Dual speakers; HP Audio Boost

### Software


Operating system	Windows 10 Home 64 – free upgrade to Windows 11 when available
HP apps	HP Audio Switch; HP Connection Optimizer; HP QuickDrop; OMEN Gaming Hub
Software included	McAfee LiveSafe™
Pre-installed software	ExpressVPN (30 day free trial); LastPass Premium (30 day free trial)
Software - Productivity & finance	1 month trial for new Microsoft 365 customers

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